

AM-FM STEREO RECEIVER  
**KR-A4070/A5070** [E, T, G Type]  
 SERVICE MANUAL

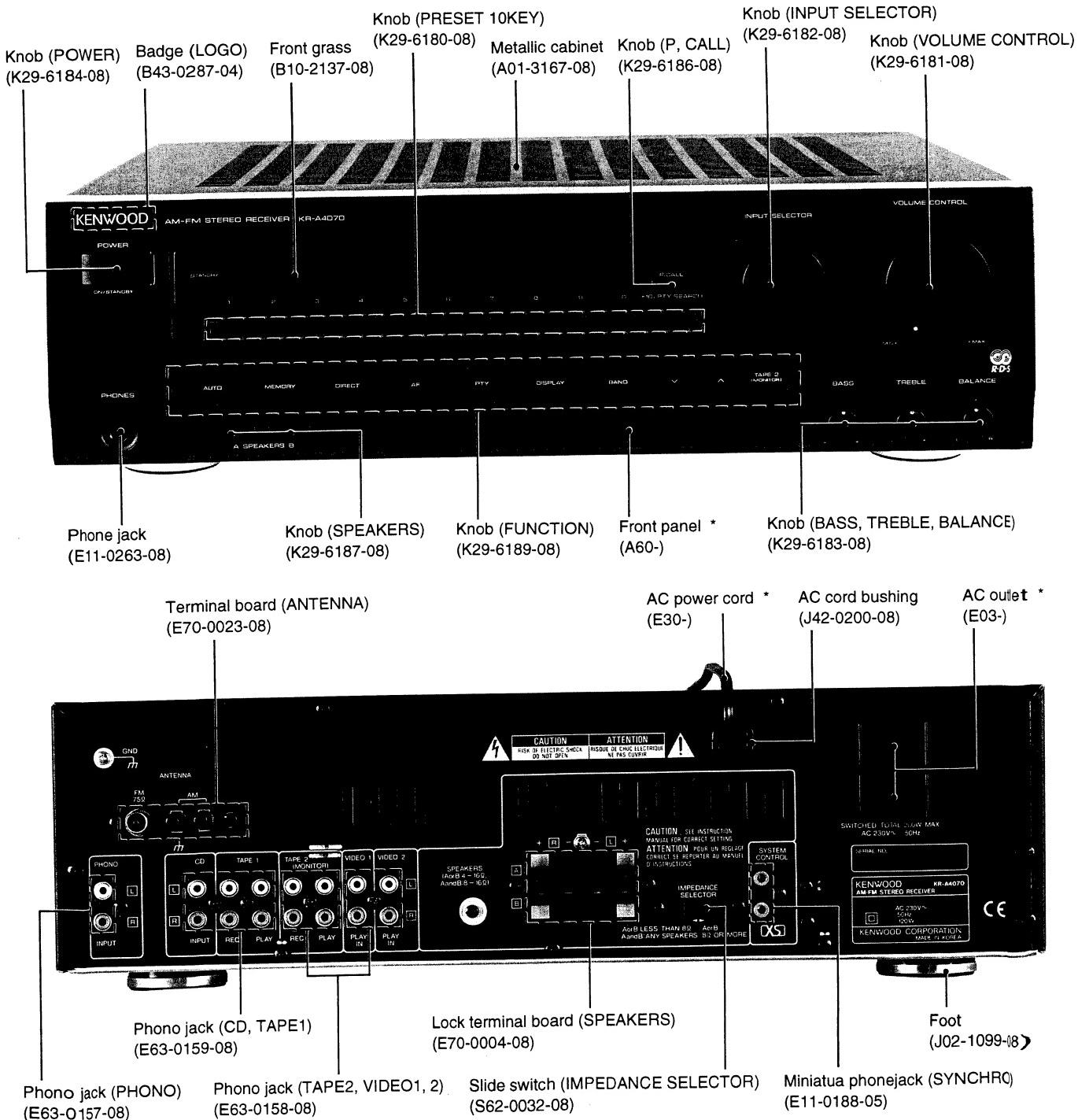
**KENWOOD**



**KENW-04416**

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 B51-5057-00(S) 1812

**PHOTO is KR-A4070 (T type)**



\* Refer to parts list on Page 26.

4416

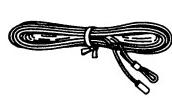
# KR-A4070/A5070 [E, T, G]

## CONTENTS/ACCESSORIES

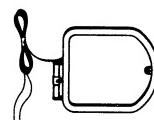
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## ACCESSORIES

T type antenna .....(1)  
(T90-0176-05)



AM loop antenna.....(1)  
(T90-0804-08)



Loop antenna holder .....(1)  
(J19-2815-04)



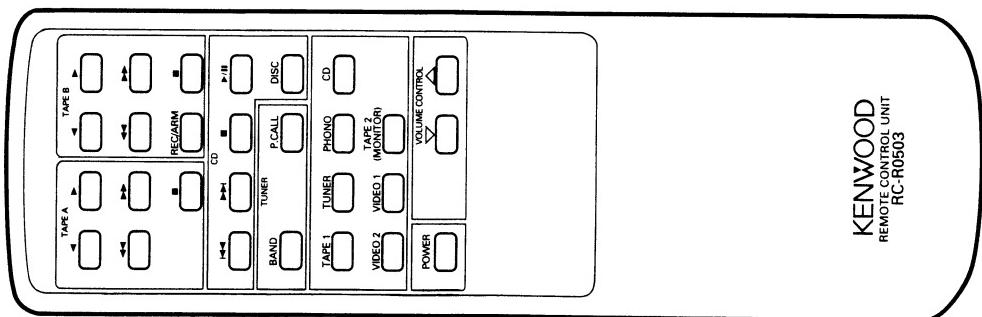
Antenna adaptor .....(1)  
(T90-0805-08)



Batteries (R6/A4).....(2)



Remote control unit (RC-R0503).....(1)  
(A70-0985-08)



Model: RC-R0503  
Infrared ray system

KENWOOD  
REMOTE CONTROL UNIT  
RC-R0503

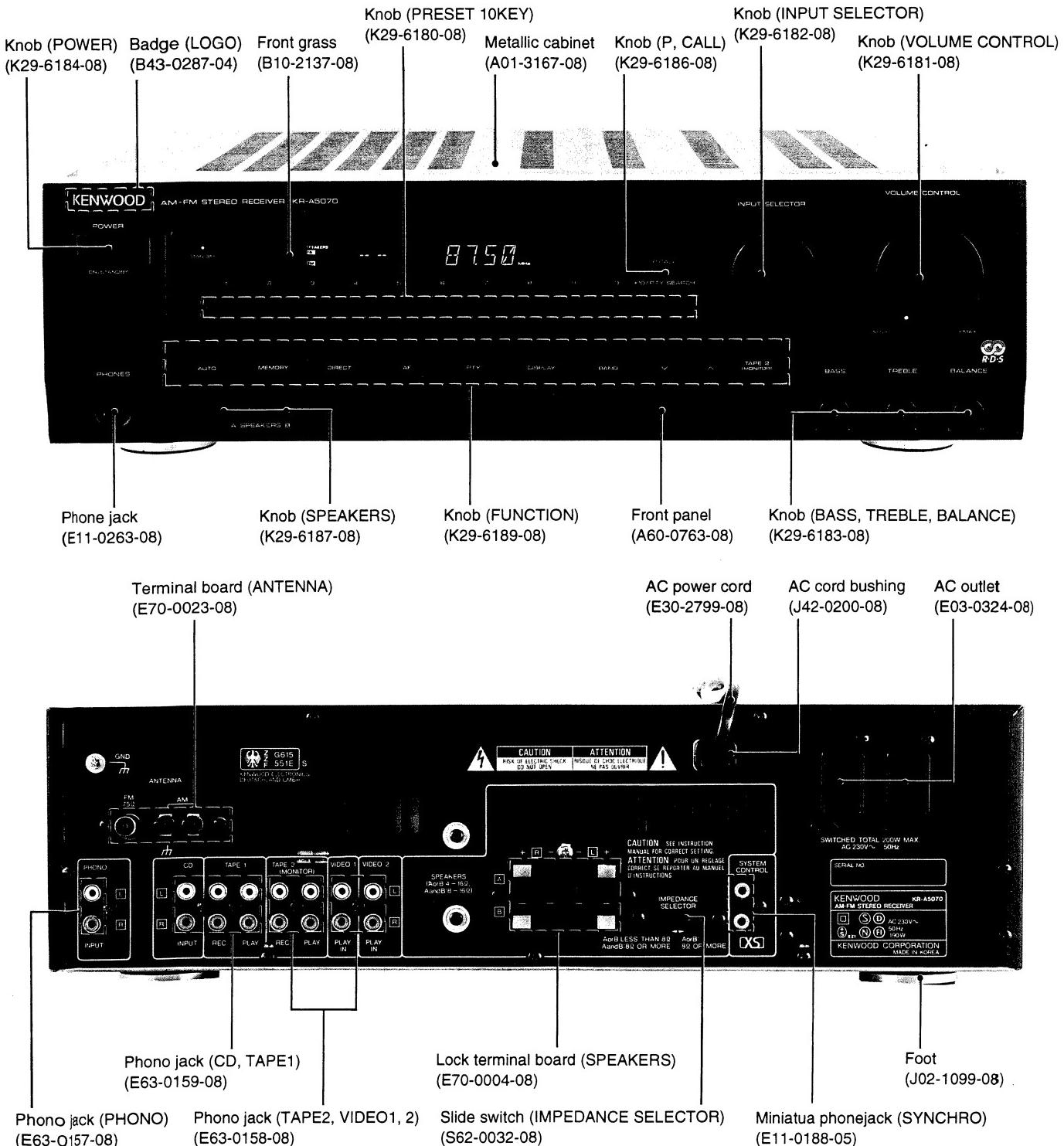
## INSTRUCTION MANUAL

	Parts No.	Destination
ENGLISH	B60-2114-08	T, E
FRE/DUC/ITA/SPA	B60-2115-08	E
GERMANY	B60-2116-08	E, G

# KR-A4070/A5070 [E, T, G]

## EXTERNAL VIEW : KR-A5070

### PHOTO is KR-A5070 (E, G type)



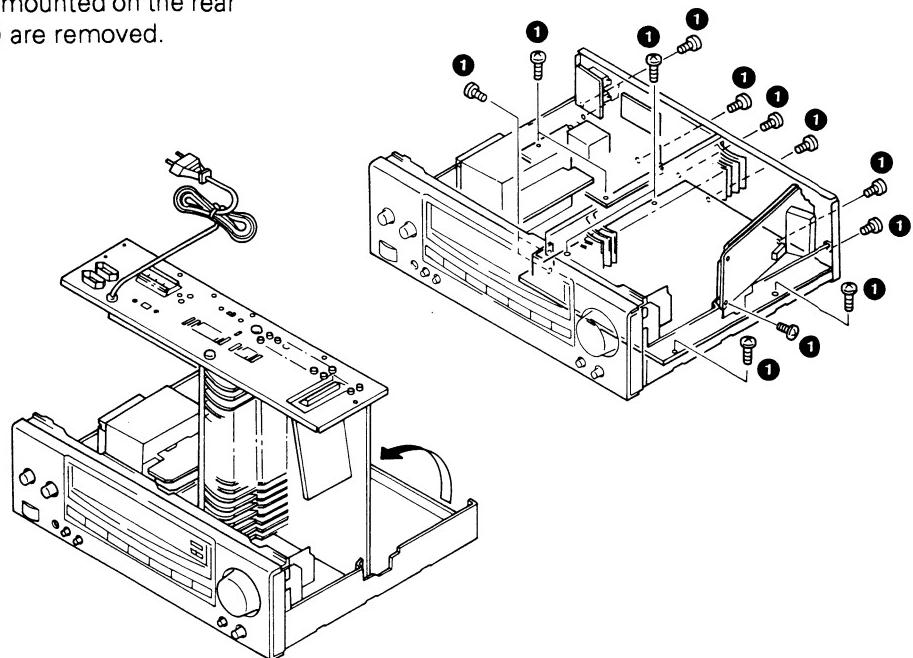
\* Refer to parts list on page 26.

# KR-A4070/A5070 [E, T, G]

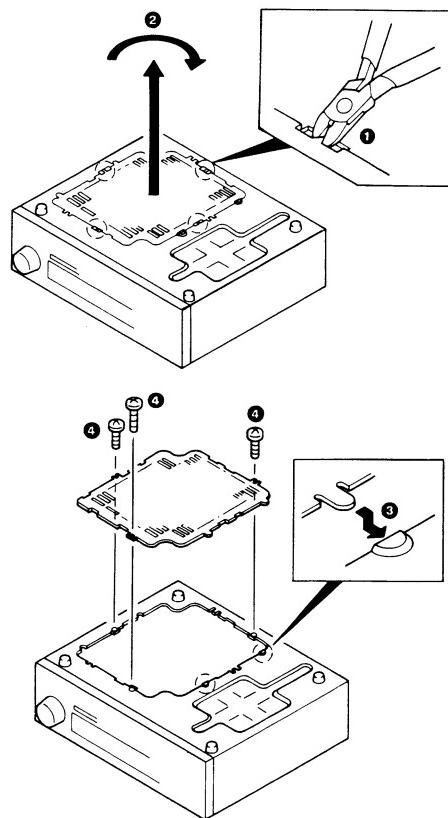
## DISASSEMBLY FOR REPAIR

[Illustrations are reference materials.]

1. Repair can be carried out with the Main (AUDIO) PCB and the power supply PCB mounted on the rear panel when the 17 screws (①) are removed.

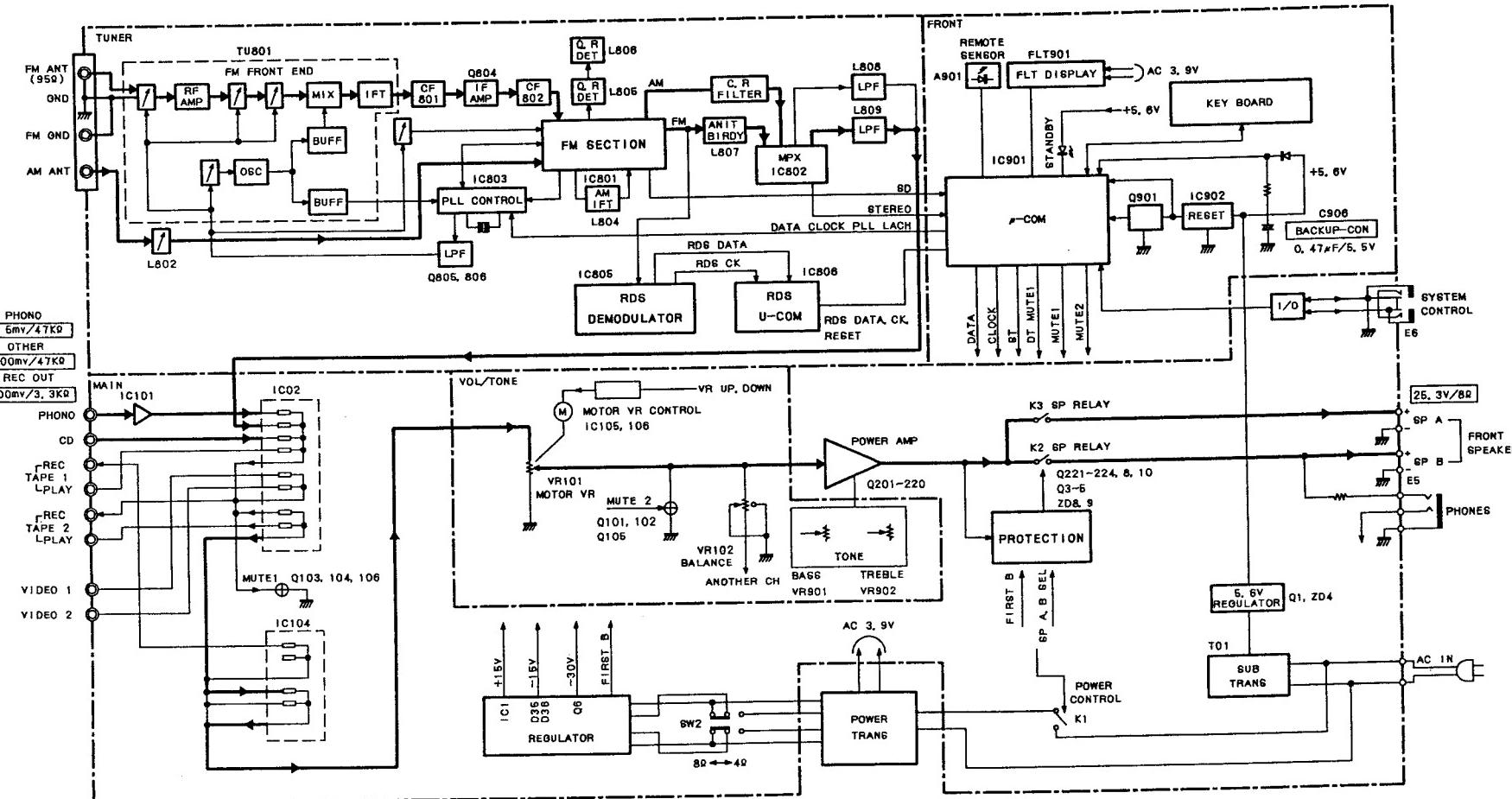


2. Cut the 4 places with a pair of nippers (①), and remove the bottom panel from chassis.
3. Move the unit holder from the current position to the open mounting position.
4. Rotate the lid, which was cut off, by 180° degrees (②).
5. Insert the lids in the 2 places of the chassis (③), and mount them with the 3 screws (④).



# KR-A4070/A5070 [E, T, G]

## BLOCK DIAGRAM



# KR-A4070/A5070 [E, T, G]

## CIRCUIT DESCRIPTION

### 1. Function description

#### Features

##### 1-1. AMP

- Seven position selector :  
CD, TUNER, PHONO, TAPE1, TAPE2, VIDEO1, VIDEO2
- Six audio output terminals :  
CD, PHONO, TAPE1, TAPE2, VIDEO1, VIDEO2
- Tree output terminals :  
TAPE1, TAPE2
- LINE STRAIGHT

- Speaker A/B change-over
- TAPE2 monitor

##### 1-2. TUNER

- 20ch random preset
- Tuning control by IF count
- Direct selection
- RDS function (E, T type only)

### 2. Conditions according to the destination and model

#### 2-1. AMP

MODEL	DIODE SW		Surround function
	5	4	
KR-V7050	0	0	PRO-LOGIC, 3-STEREO, DSP, DSP-LOGIC
KR-V6050 (Except E, T only)	0	1	PRO-LOGIC, 3-STEREO
KR-A4060/A5060 (E, T only)	1	X	No surround
KR-A4070/A5070 (E, T only)	1	X	No surround

X : Don't care

#### 2-2. TUNER

Destination	DIODE SW				Band	Receiving Remarks	Channel space	IF	RF	Note
	3	2	1	0						
K1	0	0	0	0	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	50kHz	
					AM	530kHz~1610kHz	10kHz	+450kHz	10kHz	
K2	0	0	1	0	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	50kHz	
					AM	530kHz~1700kHz	10kHz	+450kHz	10kHz	
E	0	1	0	0	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	50kHz	
					AM	531kHz~1602kHz	9kHz	+450kHz	9kHz	
E	1	1	0	0	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	50kHz	With RDS
					AM	531kHz~1602kHz	9kHz	+450kHz	9kHz	

#### 2-3. Diode matrix : Diode switch No.

	Pin No.	55	56	57	58	59	60
Pin No.	Pin name	KR5	KR4	KR3	KR2	KR1	KR0
61	KS7	Channel space	AM 1610/1700	RDS Yes/No	DSP.DOL/DOL only	Surround Yes/No	(X)
Diode switch No.	2	1	3	4	5	D	
Diode Ref. No.	D911	-	D910	-	D909	-	

- Diode SW 0→
- Diode SW 1→ AM band range/Except E, T type only  
0 : AM NARROW  
1 : AM WIDE
- Diode SW 2→ Channel base  
(Products bound for M : Change-over with switch)  
0 : FM 100kHz/step, AM 10kHz/step  
1 : FM 50kHz/step, AM 9kHz/step
- Diode SW 3→With/Without RDS/E, T type only  
0 : Without RDS  
1 : With RDS
- Diode SW 4→Surround mode  
0 : Dolby function & DSP function  
1 : Dolby function only
- Diode SW 5→With/Without surround  
0 : With surround  
1 : Without surround

# KR-A4070/A5070 [E, T, G]

## CIRCUIT DESCRIPTION

### 3. Initial state

① POWER OFF

② AMP system

- Audio selector ..... TUNER
- Video system selector ..... VIDEO 1
- Speaker A ..... ON
- Speaker B ..... OFF
- TAPE 2 monitor ..... OFF
- LINE STARIGHT ..... OFF

③ TUNER system

- Band ..... FM
- Frequency ..... Lower limit of FM (87.5MHz)
- TUNING mode .... AUTO TUNING (AUTO STEREO)
- P.CH indication ..... -ch

④ Test frequency

	<b>K1 type</b>	<b>K2 type</b>	<b>E type</b>
01ch	FM 98.00MHz	FM 98.00MHz	FM 98.00MHz
02ch	FM108.00MHz	FM108.00MHz	FM108.00MHz
03ch	AM 630 kHz	AM 630 kHz	AM 630 kHz
04ch	AM 990 kHz	AM 990 kHz	AM 990 kHz
05ch	AM 1440 kHz	AM 1440 kHz	AM 1440 kHz
06ch	AM 1610 kHz	AM 1700 kHz	AM 1602 kHz
07ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
08ch	FM 98.50MHz	FM 98.50MHz	FM 98.50MHz
09ch	AM 530 kHz	AM 530 kHz	AM 531 kHz
10ch	FM 89.10MHz	FM 89.10MHz	FM 89.10MHz
11ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
12ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
13ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
14ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
15ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
16ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
17ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
18ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
19ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz
20ch	FM 87.50MHz	FM 87.50MHz	FM 87.50MHz

**Initial setting** Insert the AC power cord plug in the electrical outlet while pushing the "POWER" key.

# KR-A4070/A5070 [E, T, G]

## CIRCUIT DESCRIPTION

### 4. Main Unit Test Mode

#### Setting method

Turn the AC power ON while pushing the "TUNING DOWN" key.

#### Cancellation method

Turn the AC power OFF.

#### Contents

##### ① Start of the main unit test mode

The operation gets in the test mode through a main unit key, when the AC power is turned ON while pushing the "TUNING DOWN" key.

##### ***Three operations are carried out in this case.***

- Automatic power ON
- All fluorescent character display tubes and LED light up.
- Initialization of all states except POWER ON/OFF.  
The "All indications lit up" states is cancelled by pushing any key of the main unit.  
The states changed during the test mode are initialized when the main unit test mode is cancelled (AC power OFF).

##### ② Automatic motor VR UP/DOWN (AMP)

The operation (16 sec. UP→16 sec. DOWN→STOP) of the motor is carried out when the "TAPE 2" key is operated. Therefore, "TAPE 2 (MONITOR)" can not be changed-over during the main unit test mode.

##### ③ Mute signal output (AMP)

No control of selector MUTE (MUTE1) is carried out.

##### ④ Test mode operation of 0~9, +10 (TUNER)

- a) When the +10 key is not operated, the channels 1~9 (keys 1~9), as well as the channel 10 (key 0), can be called.
- b) When the +10 key is operated once, the channels 11~19 (keys 1~9), as well as the channel 20 (key 0), can be called.
- c) When the +10 key is operated once again, the operation returns to the case "a) When the +10 key is not operated".

##### ⑤ Processing of keys available only in the remote controller

- Processing related to the AMP : None
- Processing related to the TUNER : None

##### ⑥ Cancellation of the main unit test mode

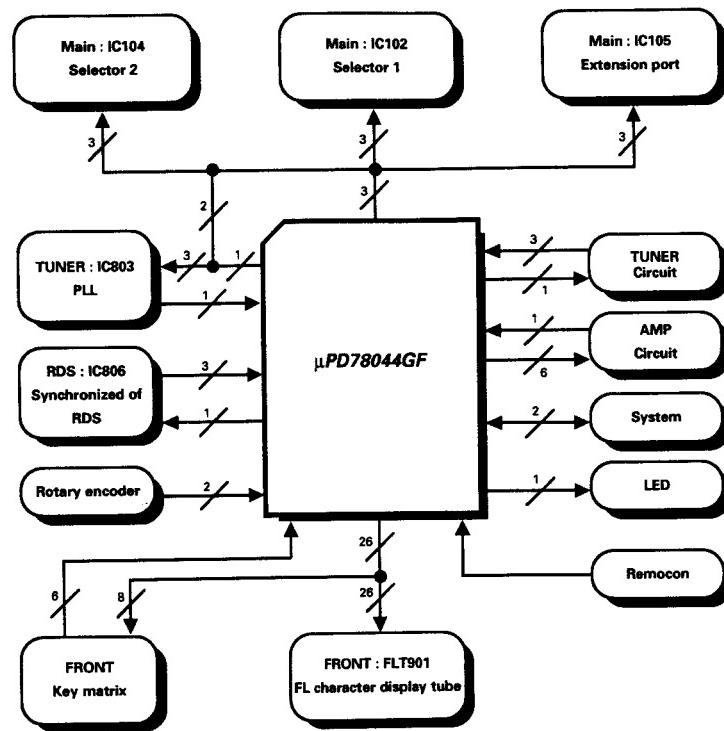
The test mode is cancelled, and the operation returns to the initial state when the AC power is turned OFF during the test mode.

# KR-A4070/A5070 [E, T, G]

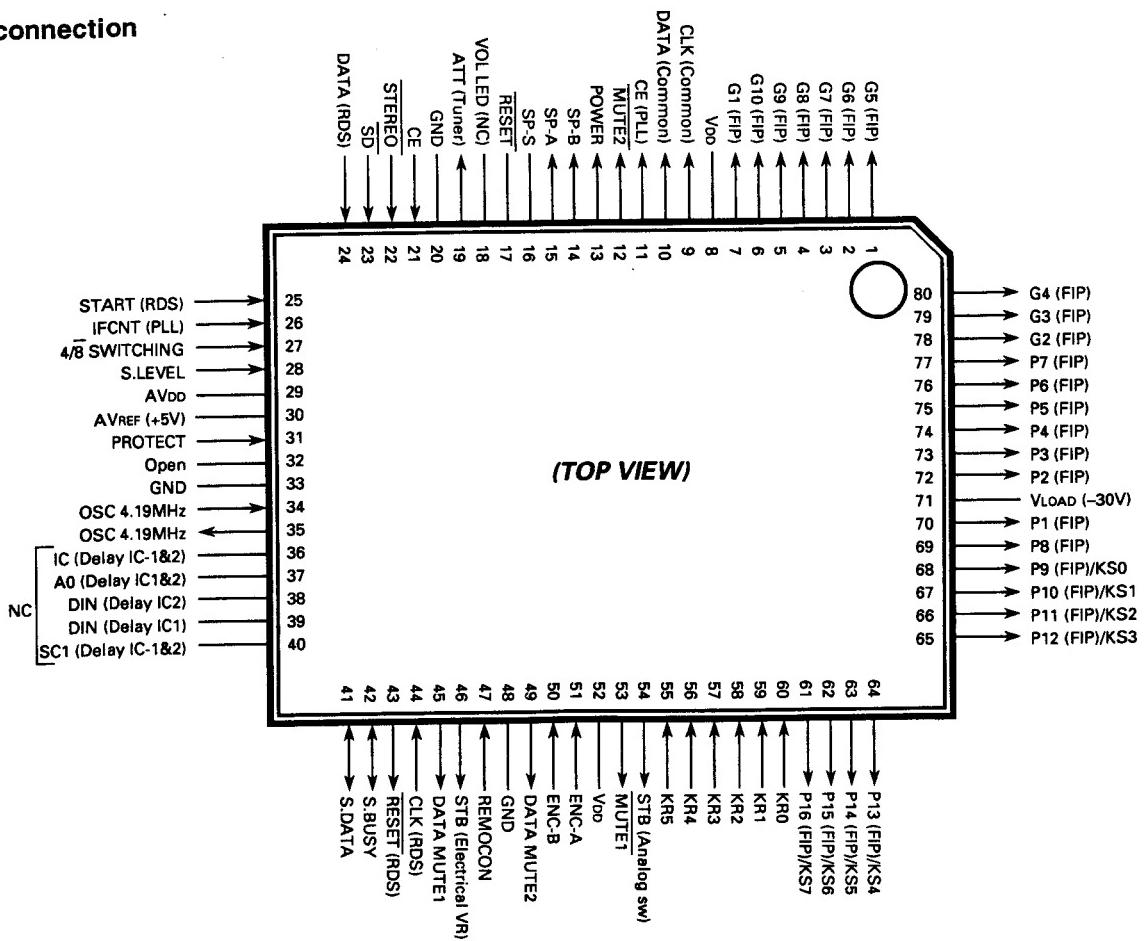
## CIRCUIT DESCRIPTION

### 5. μ-com : μPD78044GF-021 (Front PCB : IC901)

#### 5-1. μ-com periphery block diagram



#### 5-2. Pin connection



# KR-A4070/A5070 [E, T, G]

## CIRCUIT DESCRIPTION

### 5-3. Pin function

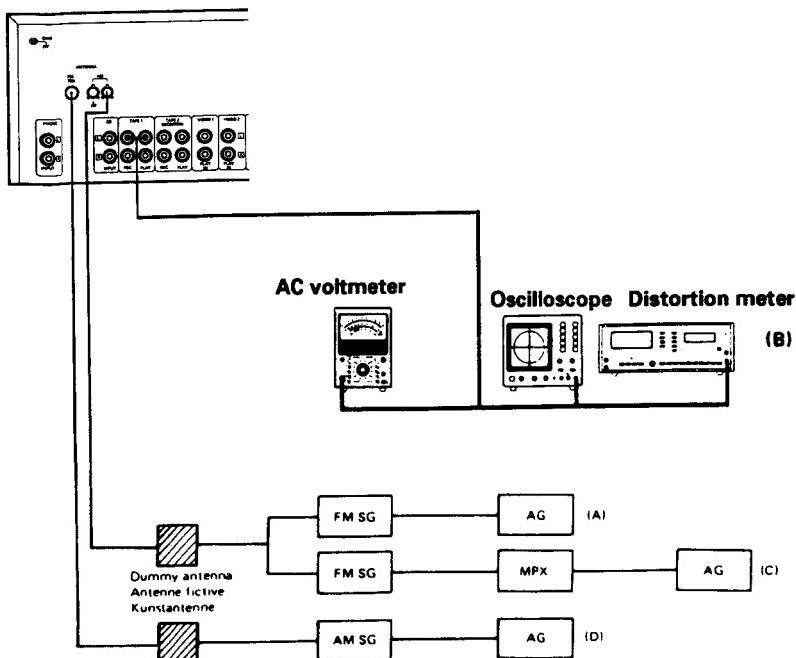
No.	Name	I/O	Function
1~6, 7	G5~G10, G1	O	FL grid 5~10, and 1.
8	VDD	-	Power supply.
9	CLK (Common)	O	Clock for control IC. (Analog sw/PLL IC/Electronic VOL)
10	DATA (Common)	O	Data for control IC. (Analog sw/PLL IC/Electronic VOL)
11	CE (PLL)	O	PLL CE.
12	MUTE2	O	Amplifier mute control. ("H" : Mute OFF, "L" : Mute ON)
13	POWER	O	Power relay control. ("H" : Power ON, "L" : Power OFF)
14	SP-B	O	Speaker B relay control. ("H" : SP-B ON, "L" : SP-B OFF)
15	SP-A	O	Speaker A relay control. ("H" : SPA ON, "L" : SPA OFF)
16	SP-S	-	Not used (open).
17	RESET	I	$\mu$ -com reset.
18	VOL LED	-	Not used (open).
19	ATT (Tuner)	O	Attenuator control ("H" : ATT ON, "L" : ATT OFF)
20	GND	-	A/D power supply.
21	CE	I	$\mu$ -com CE.
22	STEREO	I	Stereo signal detection. ("H" : Monaural, "L" : Stereo)
23	SD	I	Tuning signal detection. ("H" : Not tuned, "L" : Tuned)
24	DATA (RDS)	I	RDS data.
25	START (RDS)	I	RDS start bit.
26	IFCNT (PLL)	I	IF CNT data (PLL DO).
27	4/8 SWITCHING	I	Speaker impedance switching. ("H" : $4\Omega$ , "L" : $8\Omega$ )
28	S.LEVEL	I	Signal level (A/D).
29	AVDD	-	A/D power supply.
30	AVREF	-	A/D reference voltage (+5V).
31	PROTECT	I	Protection detection. ("H" : Protection, "L" : Normal)
32	NC	-	Open.
33	Vss	-	GND
34	X1	I	4.19MHz oscillator.
35	X2	O	4.19MHz oscillator.
36	I C (DELAY IC-1 & 2)	-	Not used.
37	A0 (DELAY IC-1 & 2)	-	Not used.
38	DIN (DELAY IC-1)	-	Not used.
39	DIN (DELAY IC-2)	-	Not used.
40	SC1 (DELAY IC-1 & 2)	-	Not used.
41	S.DATA	I/O	8-bit system data.
42	S. BUSY	I/O	8-bit system busy.
43	RESET (RDS)	O	RDS reset.
44	CLK (RDS)	I	RDS clock.
45	DT MUTE1	O	Data mute 1. ("H" : ON, "L" : OFF)
46	STB (Electrical VOL)	-	Not used.
47	REMOCON	I	Remote controller input.
48	GND	-	
49	DT MUTE2	-	Not used.
50, 51	ENC-B, ENC-A	I	Encoder input. (50 pin : Encoder B, 51 pin : Encoder A)
52	VDD	-	Power supply.
53	MUTE1	O	Selector MUTE control. ("H" : MUTE OFF, "L" : MUTE ON)
54	STB (Analog sw)	O	Analog sw STB.
55~60	KR5~KR0	I	Key return 5~0. (Pin 56 : Not used)
61~68	P16/KS7~P9/KS0	O	FL segment 16~9 / Key scan 7~0.
69, 70	P8, P1	O	FL segment. (69 pin : Segment 8, 70 pin : Segment 1)
71	-30V (VLOAD)	-	FL drive power supply.
72~77	P2~P7	O	FL segment 2~7.
78~80	G2~G4	O	FL grid 2~4.

# KR-A4070/A5070 [E, T, G]

## ADJUSTMENT

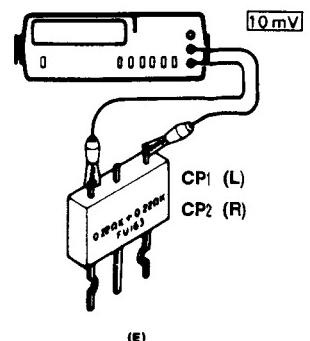
**AM section : If alignment point is "—", confirm the value. If not, replace the front end pack.**

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>FM SECTION</b>							
		<b>SELECTOR : FM</b>					
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, $\pm 40\text{kHz}$ dev. 60dB $\mu$ (ANT. input)	Connect a DC voltmeter between TP801 and TP802. (TUNER UNIT)	AUTO or MONO 98.0MHz	L805 (TUNER UNIT)	0V.	(a)
2	DISCRIMINATOR	(C) 98.0MHz 1kHz, $\pm 40\text{kHz}$ dev. 60dB $\mu$ (ANT. input)	Connect a Distortion meter (1kHz)	AUTO or MONO 98.0MHz	L806 (TUNER UNIT)	Minimum distortion. (L or R)	
3	DISCRIMINATOR	(C) 98.0MHz 1kHz, $\pm 40\text{kHz}$ dev. 60dB $\mu$ (ANT. input)	Connect a DC voltmeter between TP801 and TP802. (TUNER UNIT)	AUTO or MONO 98.0MHz	L806 (TUNER UNIT)	0V.	(a)
4	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, $\pm 40\text{kHz}$ dev. Selector : L or R Pilot : $\pm 6.0\text{kHz}$ dev. 60dB $\mu$ (ANT. input)	(B)	98.0MHz	IFT (Front end pack)	Minimum distortion. (L or R)	
5	SEPARATION	(C) 98.0MHz 1kHz, $\pm 40\text{kHz}$ dev. Selector : L or R Pilot : $\pm 6.0\text{kHz}$ dev. 60dB $\mu$ (ANT. input)	(B)	AUTO 98.0MHz	VR803 (TUNER UNIT)	Minimum cross talk.	
6	TUNING LEVEL	(A) 98.0MHz 0 dev. 17dB $\mu$ (ANT. input)	(B)	AUTO or MONO 98.0MHz	VR802 (TUNER UNIT)	Adjust VR802 and stop at the point where FLT901 (TUNED) goes on.	
<b>AM SECTION</b>							
		<b>SELECTOR : AM</b>					
(1)	TUNING LEVEL	(D) 999MHz 26dB $\mu$ (ANT. input)	(B)	—	VR801 (TUNER UNIT)	Adjust VR801 and stop at the point where FLT901 (TUNED) goes on.	
<b>AUDIO SECTION</b>							
<1>	IDLE CURRENT	—	Connect a DC voltmeter Across CP1 (L), CP2 (R) (MAIN UNIT)	Volume : 0	VR201 (L) VR202 (R) (AUDIO UNIT)	10mV	



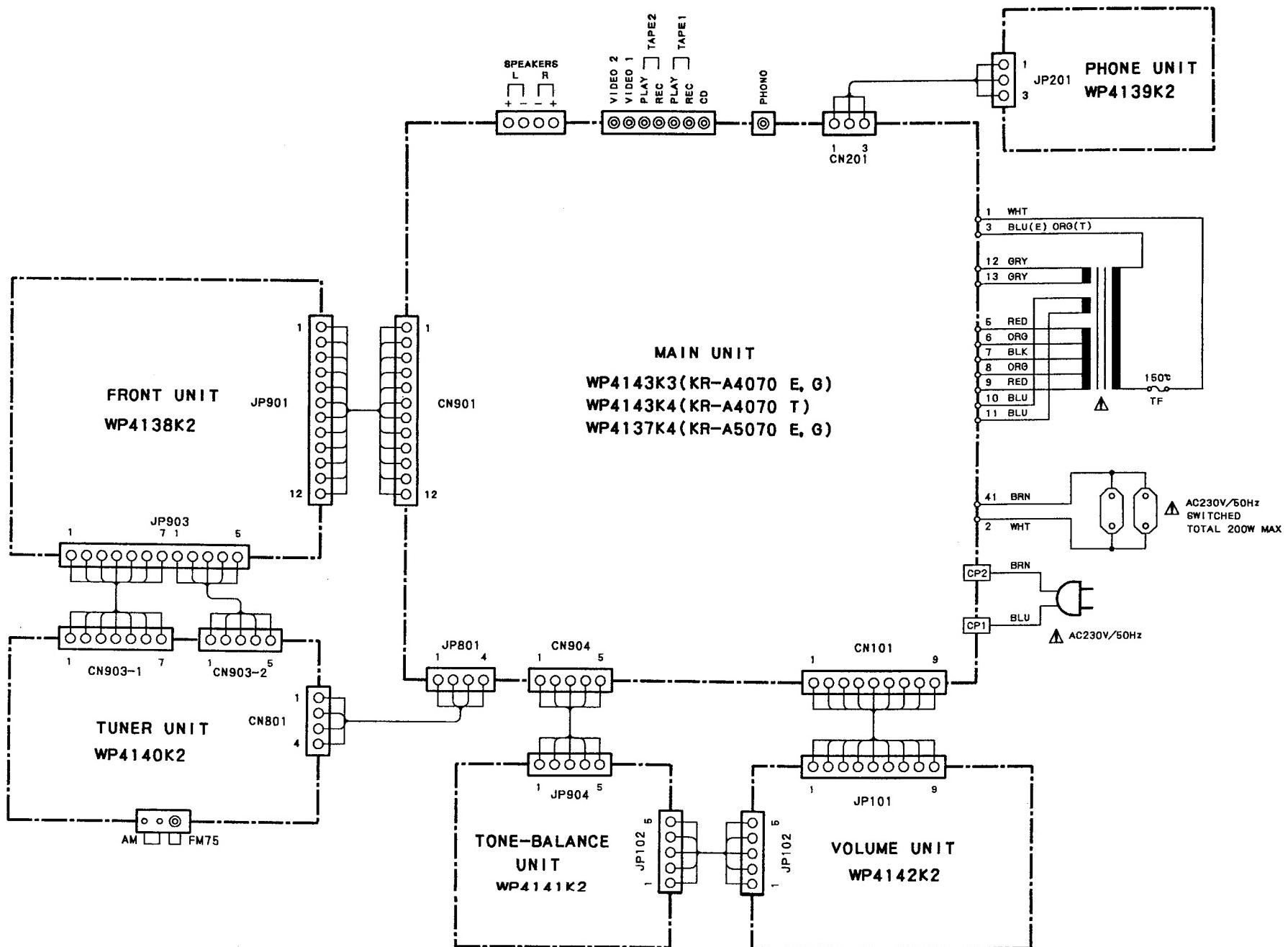
System connections

(e) DC voltmeter



# KR-A4070/A5070 [E, T, G]

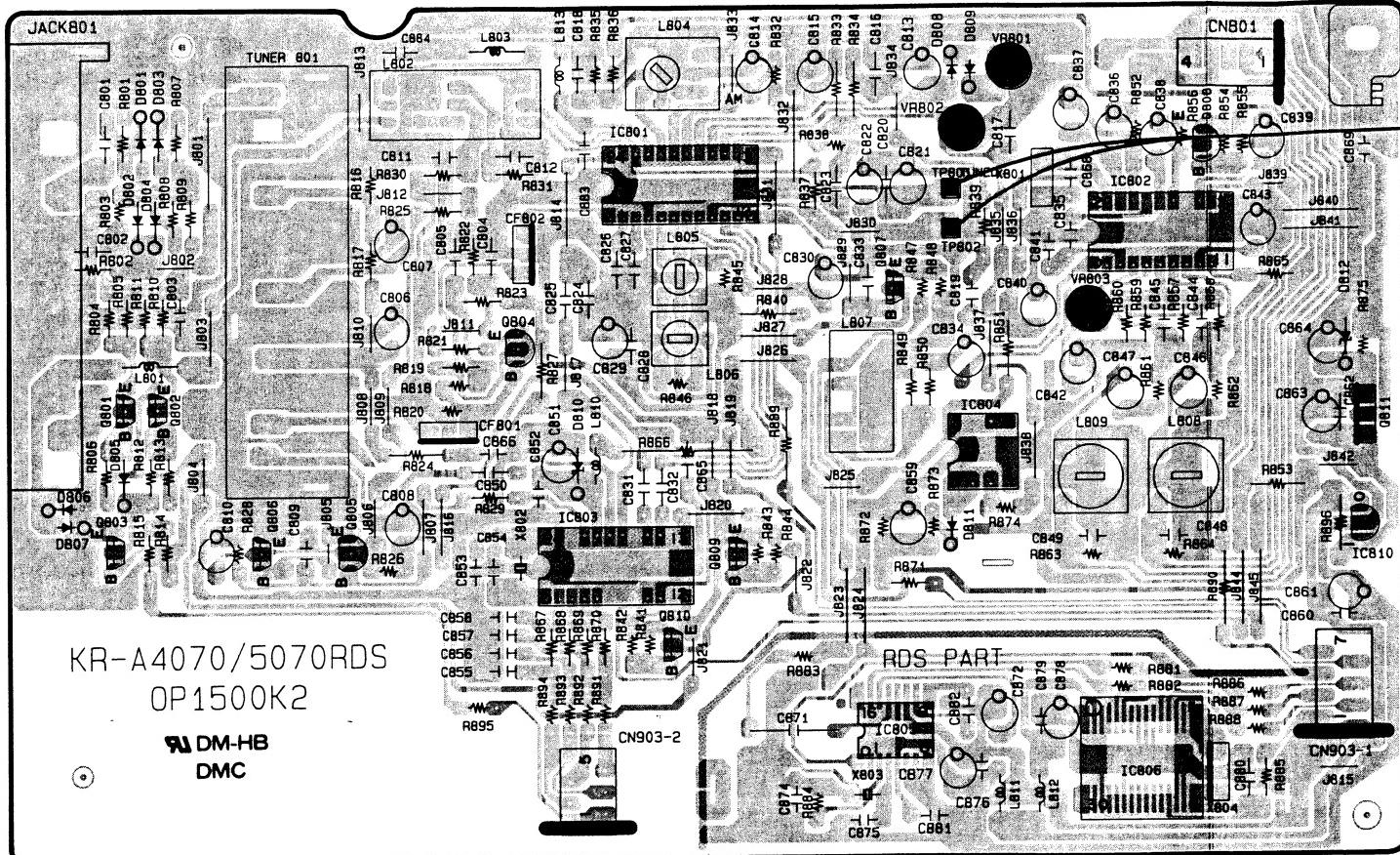
## WIRING DIAGRAM



# PC BOARD (Component side view) : KR-A4070/A5070

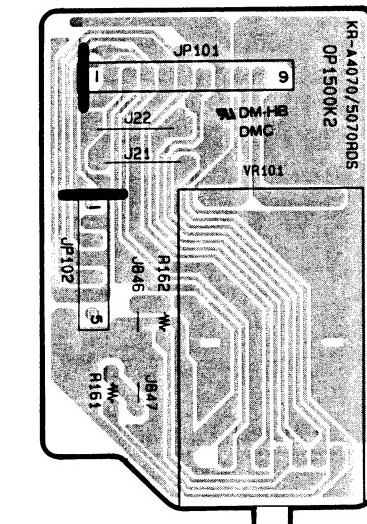
1  
ANTENNA  
FM 75Ω

2  
AM

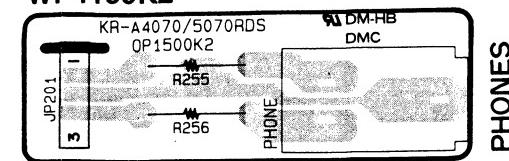


(a) Discriminator :  
OV

DC Voltmeter  
MOTER  
VOLUME UNIT  
WP4142K2

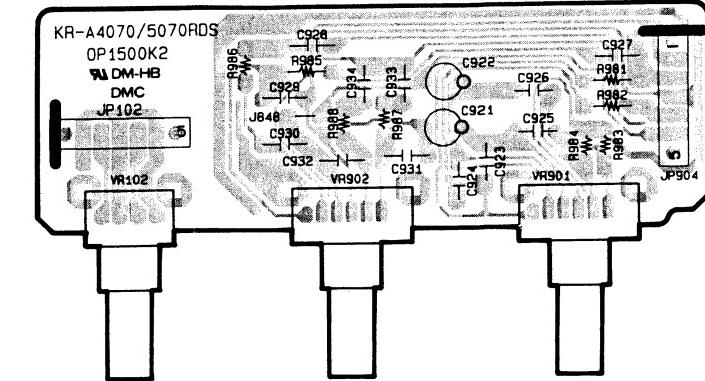


2  
PHONE UNIT  
WP4139K2



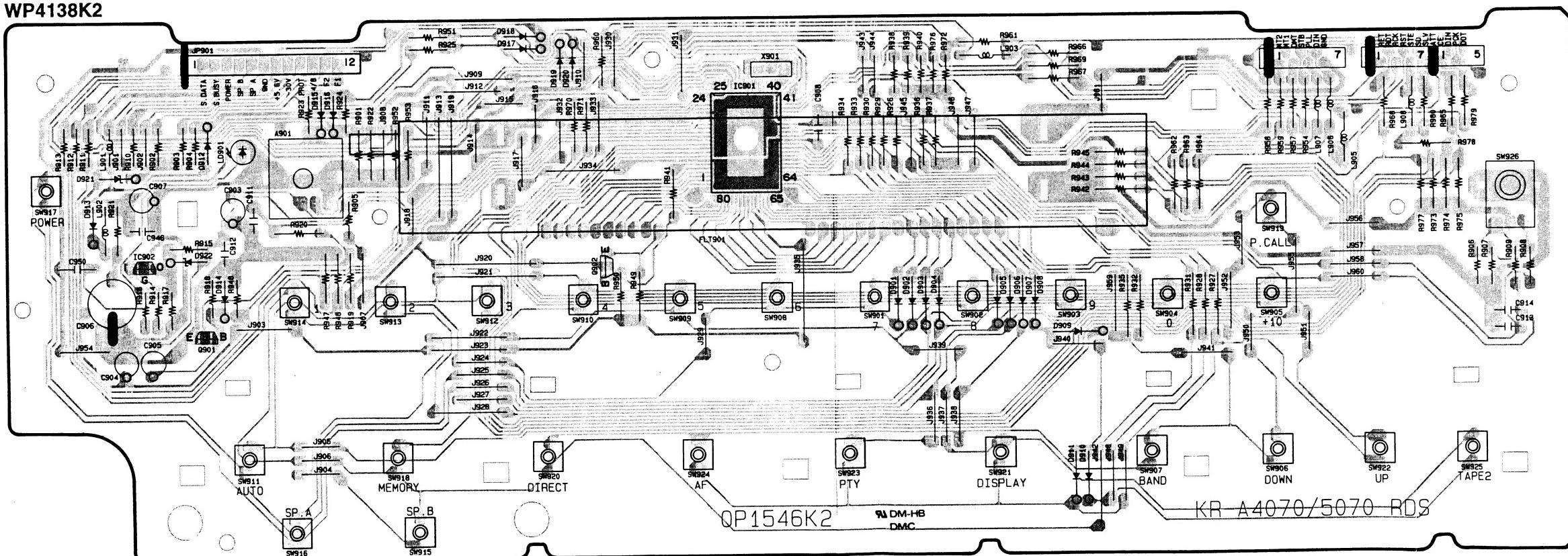
PHONES

3  
TONE BALANCE UNIT  
WP4141K2



4  
BALANCE R L TREBLE + - BASS + -

FRONT UNIT  
WP4138K2



5  
FRONT

6  
Refer to the schematic diagram for the values of resistors and capacitors.

# PC BOARD (Component side view) : KR-A4070/A5070

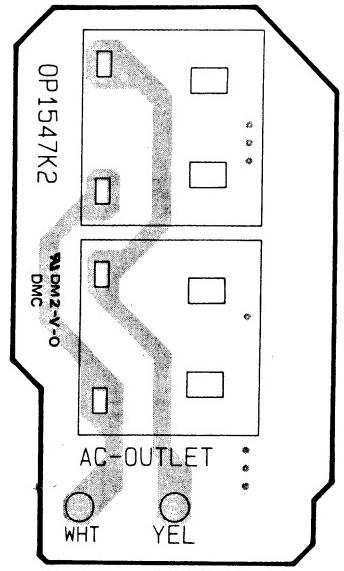
## IMPEDANCE SELECTOR

A or B : A or B : LESS THAN 8Ω  
 8Ω OR MORE → A and B : ANY SPEAKERS

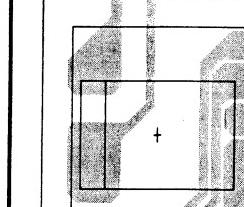
SYSTEM  
CONTROL

SPEAKERS (A or B : 4-16Ω, A and B : 8-16Ω)  
 + L - R + B

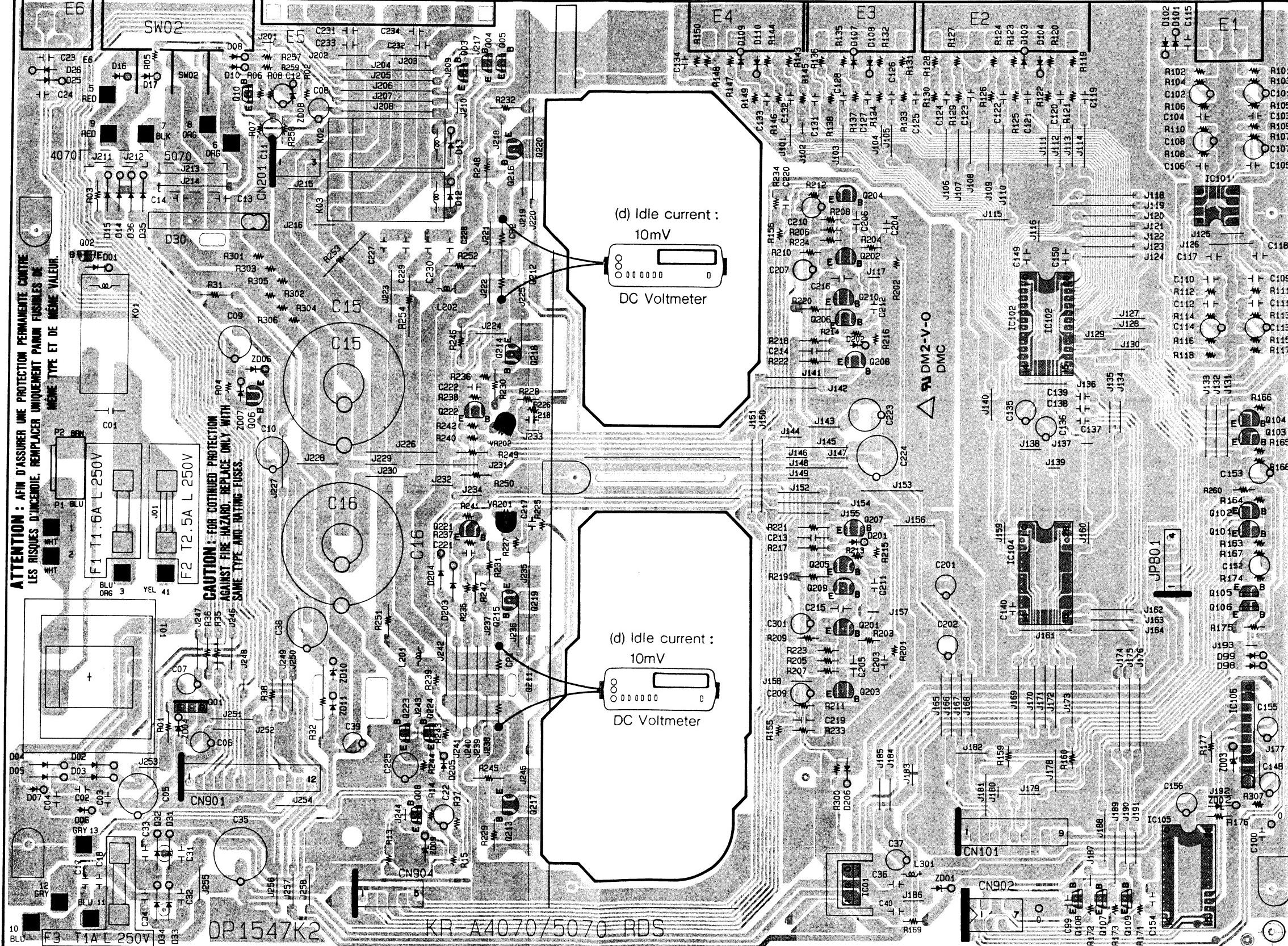
OUT LET  
AC120V/60Hz



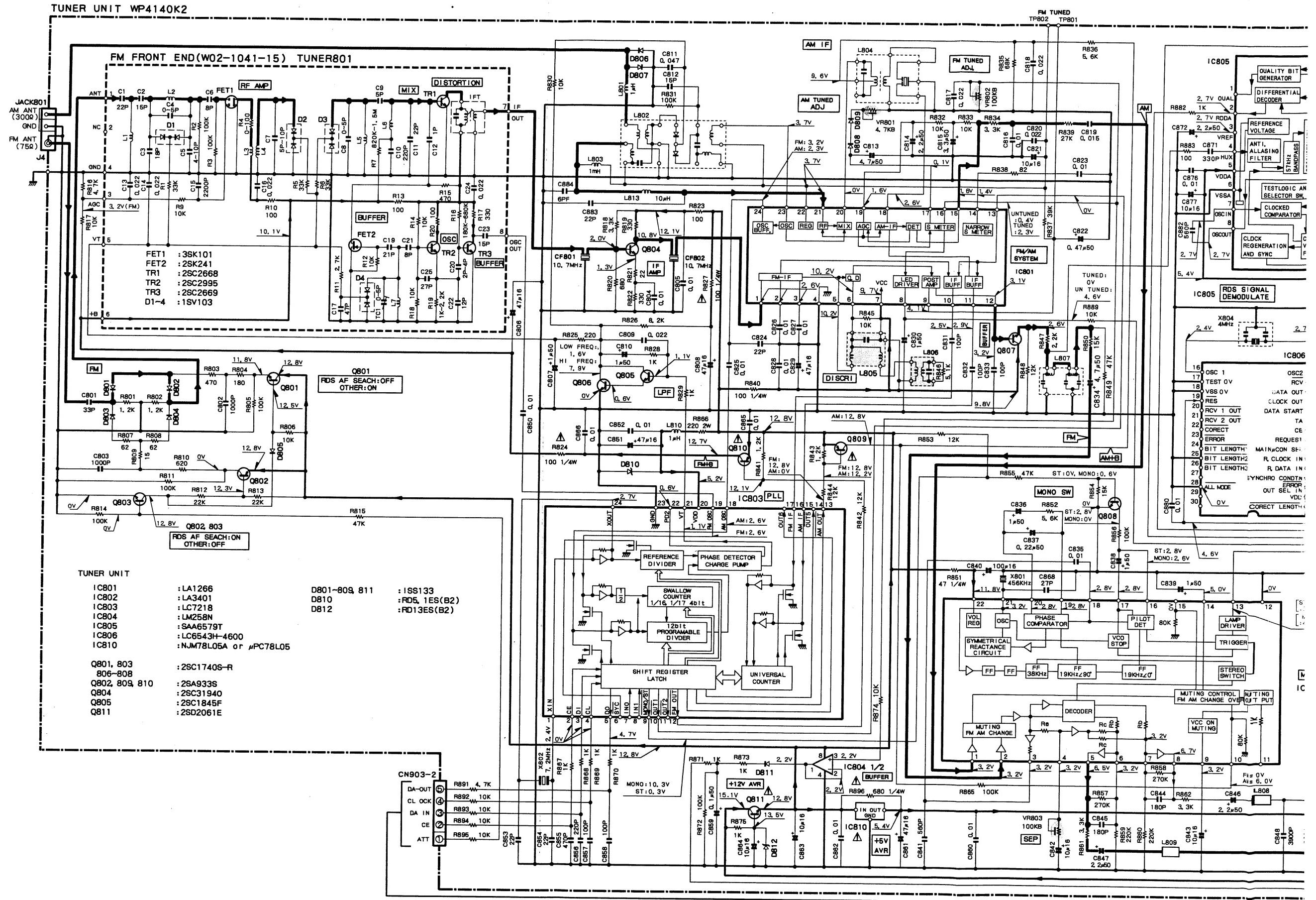
**ATTENTION : AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE  
LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE  
MÊME TYPE ET DE MÊME VALEUR.**



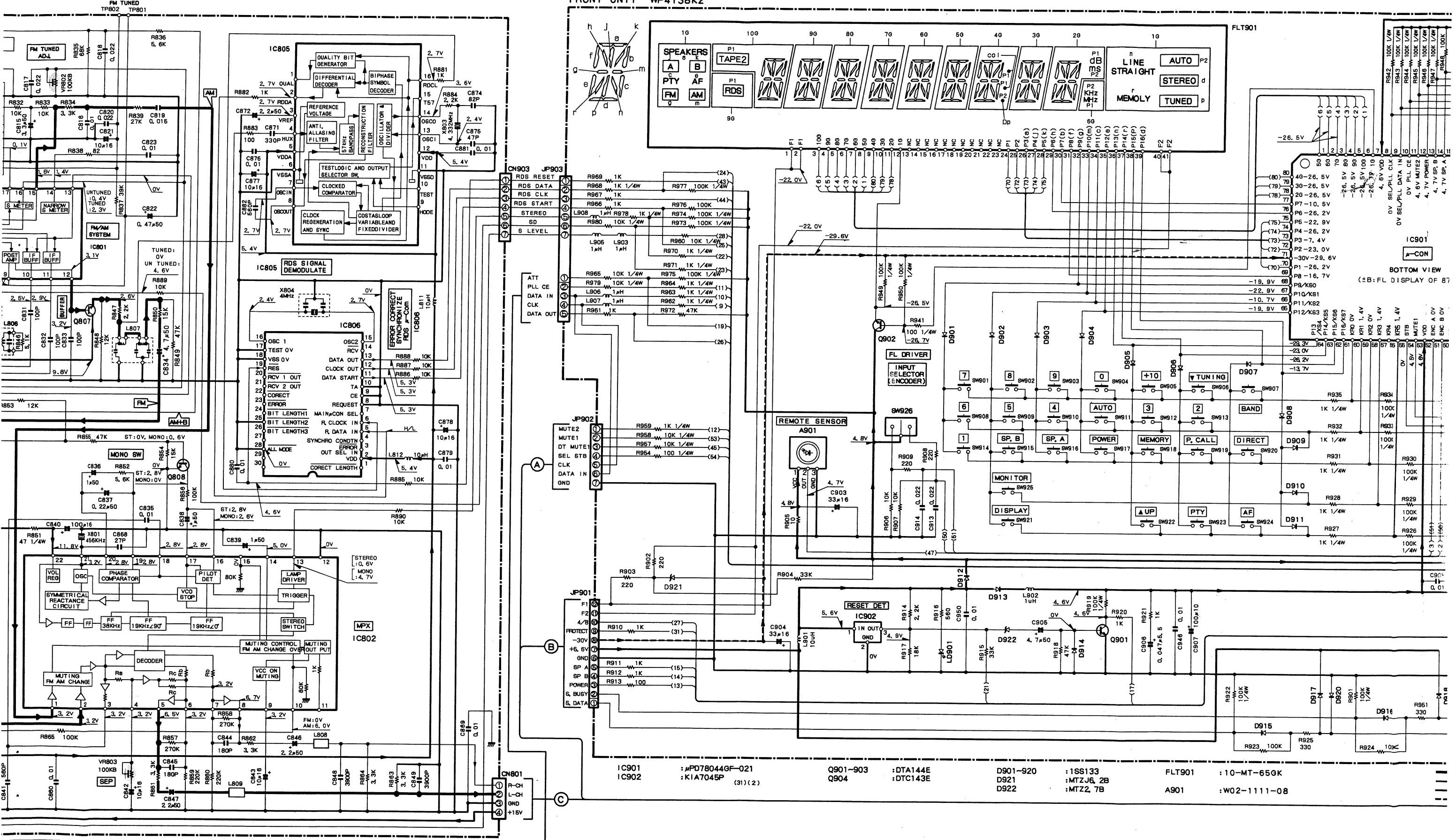
**CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH  
THE SAME TYPE AND RATING FUSES.**



**MAIN UNIT**  
 WP4143K3 (KR-A4070 E, G)  
 WP4143K4 (KR-A4070 T)  
 WP4137K4 (KR-A5070 E, G)



DC voltages are as measured with a high impedance probe. Values may vary slightly due to variations between instruments or/and units.

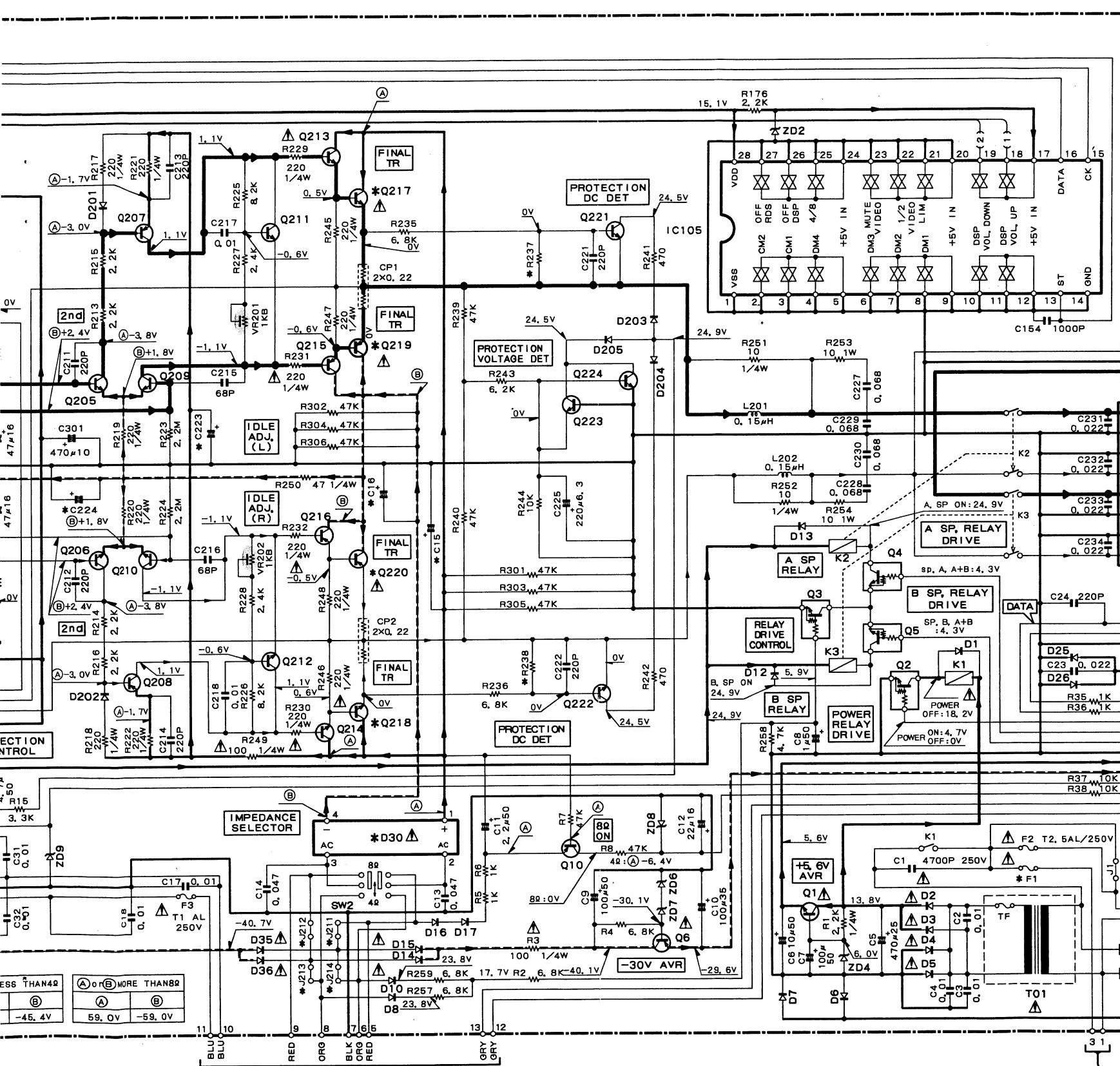


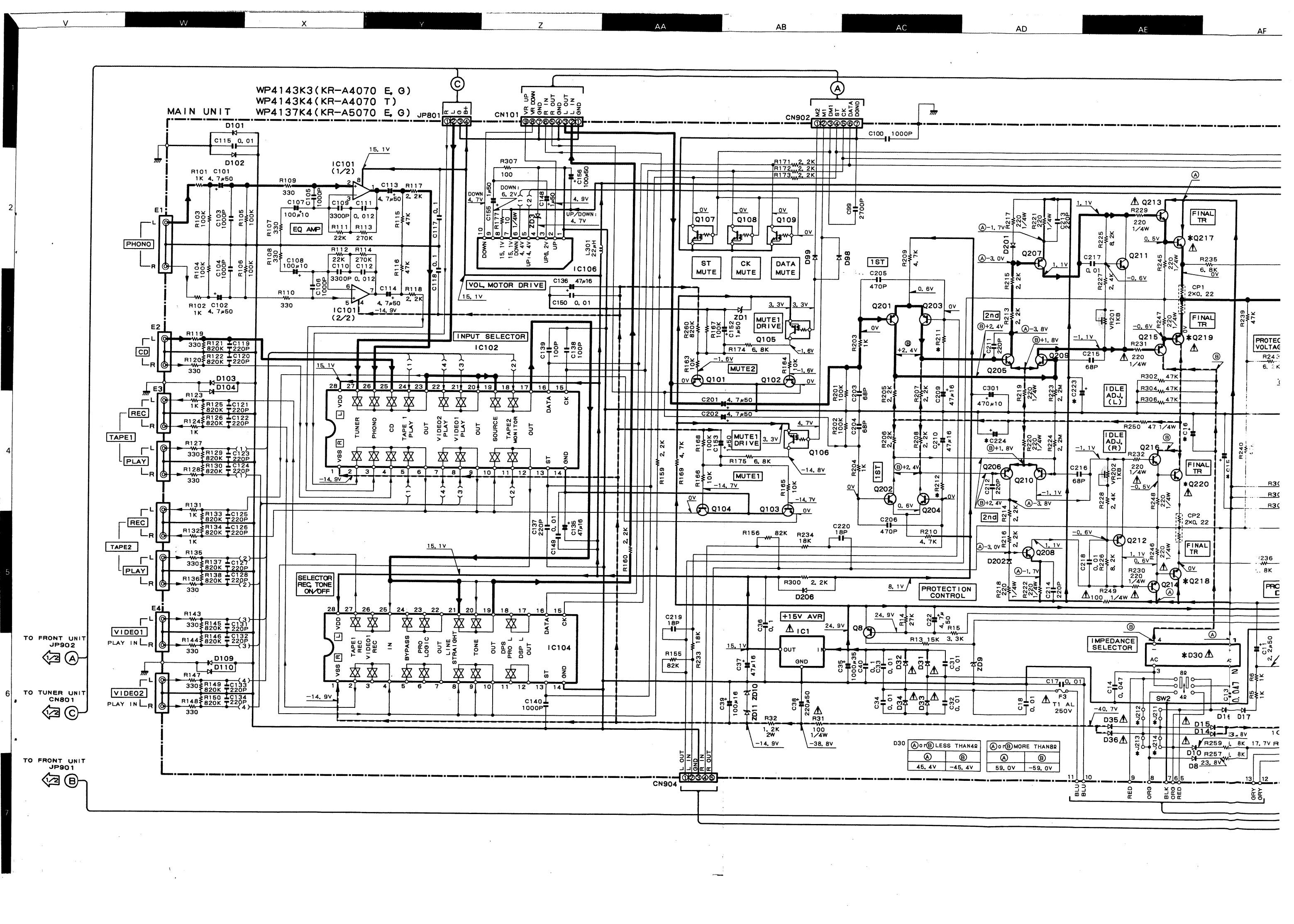
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

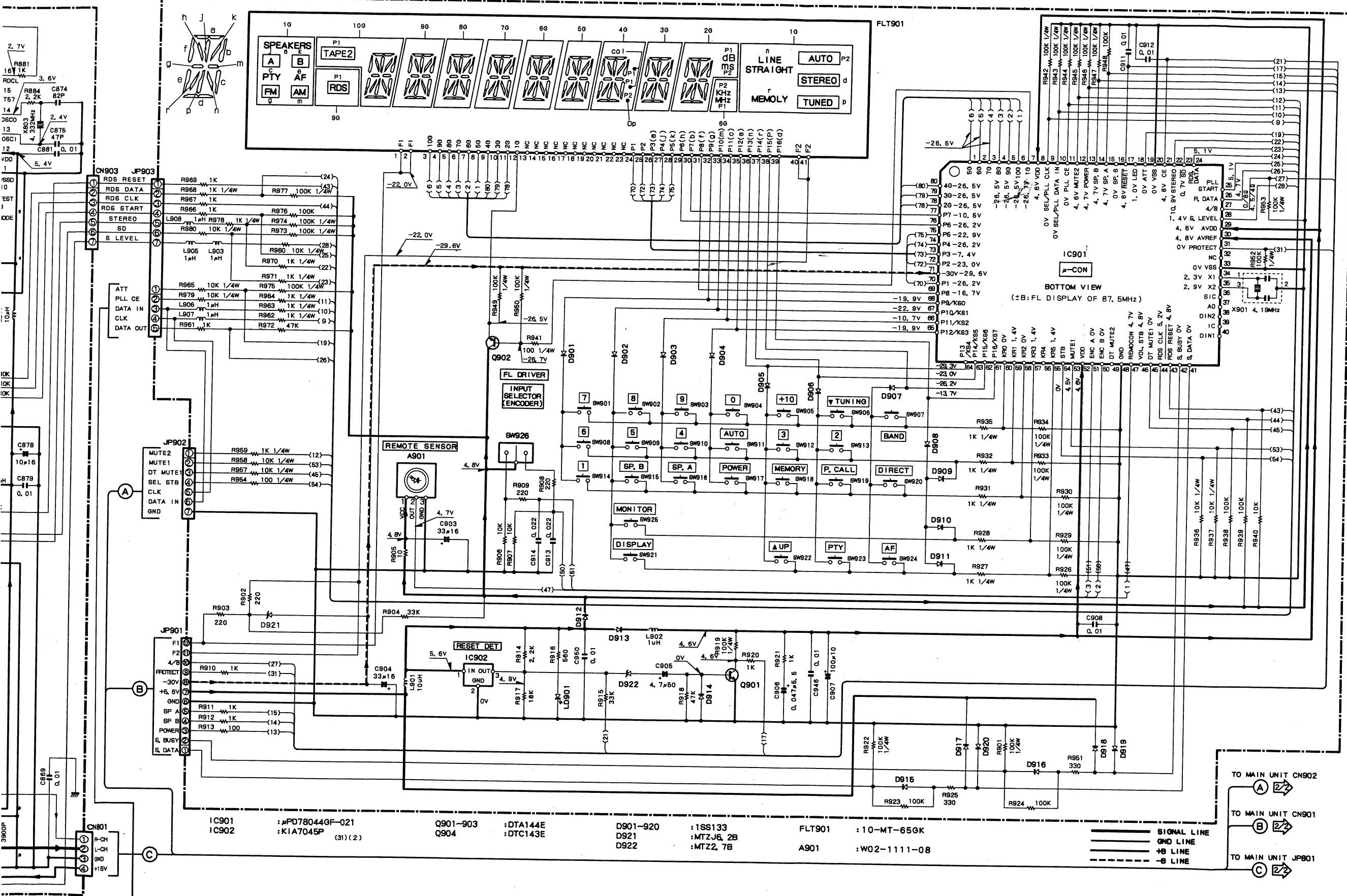
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.







Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

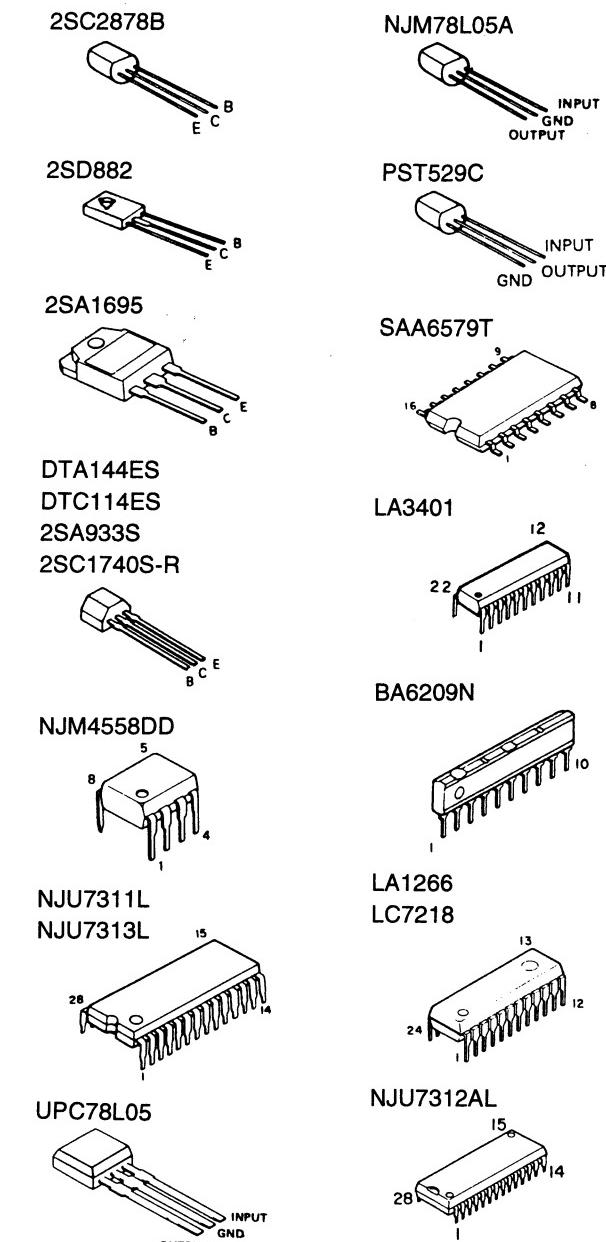
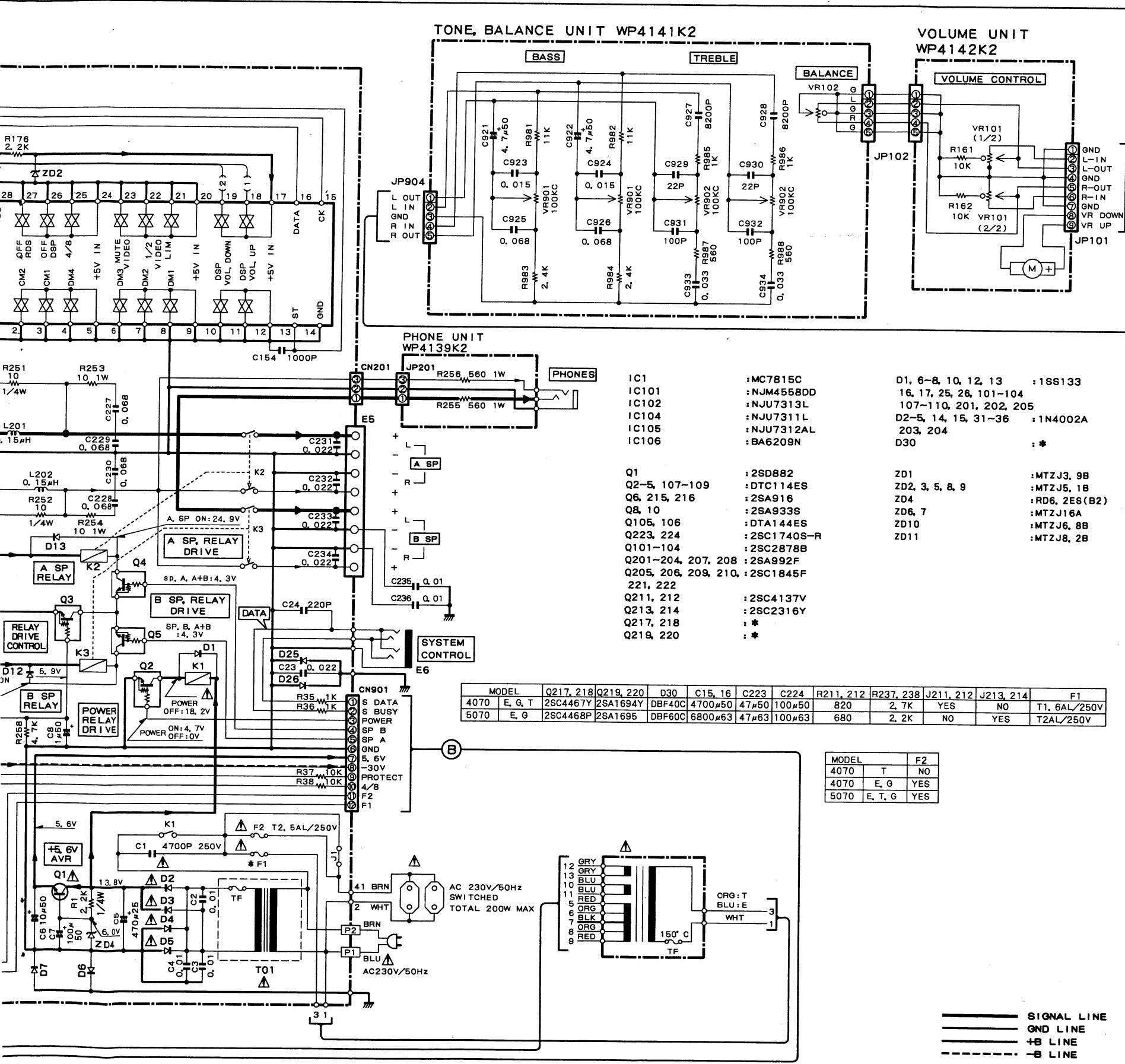
**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are accessible insulated from the supply circuit) before the appliance is returned to the customer.

1/2

KR-A4070/A5070 [E, T, G]

KENWOOD

Y05-3032-



DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

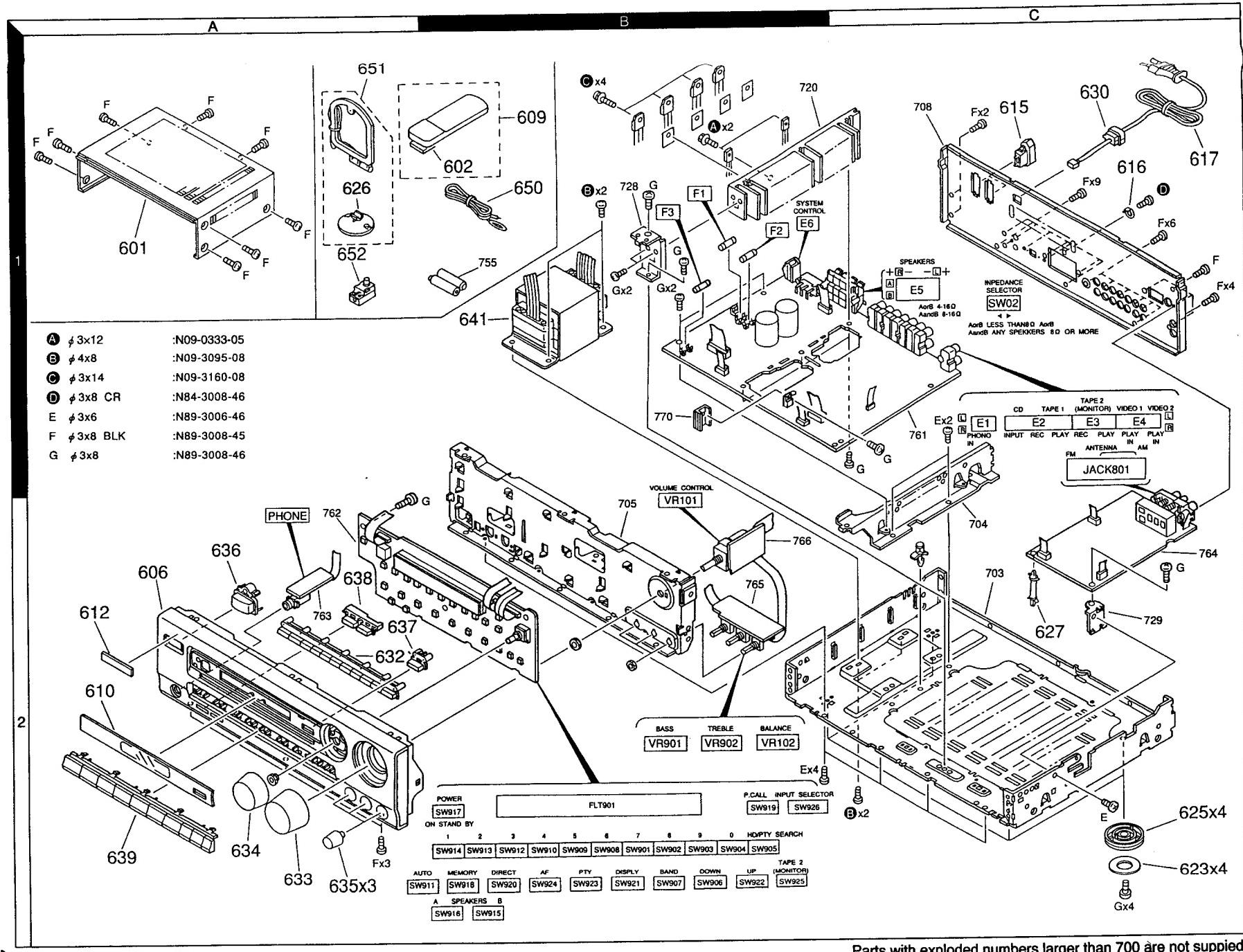
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Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

## EXPLODED VIEW (UNIT)

KR-A4070/A5070 [E, T, G]



## KR-A4070/A5070 [E, T, G]

## PARTS LIST

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.1

Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation 仕向	Re- marks 備考
参照番号	位置	部品番号	部品名 / 規格			
<b>KR-A4070</b>						
601	1A	A01-3167-08	METALIC CABINET			
602	1B	A09-0170-08	BATTERY COVER			
606	2A	* A60-0764-08	FRONT PANEL			
606	2A	* A60-0765-08	FRONT PANEL			
609	1B	A70-0985-08	REMOTE CONTROL ASSY	T EG		
610	2A	* B10-2137-08	FRONT GLASS			
612	2A	B43-0287-04	KENWOOD BADGE	EG		
-	2A	B46-0122-23	WARRANTY CARD	E		
-	2A	* B60-2114-08	INSTRUCTION MANUAL (ENGLISH)	TE		
-	2A	* B60-2115-08	INSTRUCTION MANUAL (F/D/I/S)	E		
-	2A	* B60-2116-08	INSTRUCTION MANUAL (GERMANY)	EG		
615	1C	E03-0085-05	AC OUTLET	T		
615	1C	E03-0324-08	AC OUTLET	EG		
616	1C	E21-0031-08	GND TERMINAL			
617	1C	* E30-2721-05	AC POWER CORD ASSY	E		
617	1C	* E30-2799-08	AC POWER CORD ASSY	E		
623	2C	G13-0513-08	CUSHION FOOT			
-	2C	* H10-7076-08	POLYSTYRENE FOAMED FIXTURE			
-	2C	H25-0232-04	PROTECTION BAG (ACCESSORY)			
-	2C	H25-0232-04	PROTECTION BAG (MANUAL)			
-	2C	H25-1544-08	PROTECTION BAG (UNIT)			
-	2C	* H50-1508-08	ITEM CARTON CASE	T		
-	2C	* H50-1510-08	ITEM CARTON CASE	EG		
625	2C	J02-1099-08	FOOT			
626	1A	* J19-2815-04	LOOP ANTENNA HOLDER			
627	2C	J19-3631-08	PCB HOLDER			
630	1C	J42-0200-08	AC CORD BUSHING			
632	2A	* K29-6180-08	KNOB PRESET(10KEY)			
633	2A	* K29-6181-08	KNOB VOLUME CONTROL			
634	2A	* K29-6182-08	KNOB INPUT SELECTOR			
635	2A	* K29-6183-08	KNOB BASS, TREBLE, BALANCE			
636	2A	* K29-6184-08	KNOB POWER			
637	2A	* K29-6186-08	KNOB P.CALL			
638	2A	* K29-6187-08	KNOB SPEAKERS			
639	2A	* K29-6189-08	KNOB FUNCTION			
641	1B	L07-1801-08	POWER TRANSFORMER			
B		N09-3095-08	TAPWHITE SCREW (M4X8)			
C		N09-3160-08	TAPWHITE SCREW (M3X14)			
650	1B	T90-0176-05	T TYPE ANTENNA			
651	1A	* T90-0804-08	LOOP ANTENNA			
652	1A	* T90-0805-08	ANTENNA ADAPTER			
<b>KR-A5070</b>						
601	1A	A01-3167-08	METALIC CABINET			
602	1B	A09-0170-08	BATTERY COVER			
606	2A	* A60-0763-08	FRONT PANEL			
609	1B	A70-0985-08	REMOTE CONTROL UNIT			
610	2A	* B10-2137-08	FRONT GLASS			
612	2A	B43-0287-04	KENWOOD BADGE			
-	2A	B46-0122-23	WARRANTY CARD			

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Teile ohne Parts No. werden nicht geliefert.

No.2

Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation 仕向	Re- marks 備考
参照番号	位置	新	部品番号	部品名 / 規格		
<b>KR-A4070/A5070 [E, T, G]</b>						
-			* B60-2114-08	INSTRUCTION MANUAL (ENGLISH)	E	
-			* B60-2115-08	INSTRUCTION MANUAL (F/D/I/S)	E	
-			* B60-2116-08	INSTRUCTION MANUAL (GERMANY)	EG	
615	1C	* E03-0324-08	AC OUTLET			
616	1C	E21-0031-08	GND TERMINAL			
617	1C	* E30-2799-08	AC POWER CORD			
623	2C	* G13-0513-08	CUSHION FOOT			
-			* H10-7076-08	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (ACCESSORY)		
-			H25-0232-04	PROTECTION BAG (MANUAL)		
-			H25-1544-08	PROTECTION BAG (UNIT)		
-			* H50-1513-08	ITEM CARTON CASE		
625	2C	J02-1099-08	FOOT			
626	1A	J19-2815-04	ANTENNA HOLDER			
627	2C	J19-3631-08	UNIT HOLDER			
630	1C	J42-0200-08	AC CORD BUSHING			
632	2A	* K29-6180-08	KNOB PRESET(10KEY)			
633	2A	* K29-6181-08	KNOB VOLUME CONTROL			
634	2A	* K29-6182-08	KNOB INPUT SELECTOR			
635	2A	* K29-6183-08	KNOB BASS, TREBLE, BALANCE			
636	2A	* K29-6184-08	KNOB POWER			
641	1B	L07-1801-08	POWER TRANSFORMER			
B		N09-3095-08	TAPWHITE SCREW (M4X8)			
C		N09-3160-08	TAPWHITE SCREW (M3X14)			
650	1B	T90-0176-05	T TYPE ANTENNA			
651	1A	* T90-0804-08	LOOP ANTENNA			
652	1A	* T90-0805-08	ANTENNA ADAPTER			
<b>ELECTRIC PARTS</b>						
LD901			B30-0413-05	LED(LTL4213(RED))		
C01			C91-1441-08	CERAMIC	4700PF	250WV
C02		-04	CK45FF1H103Z	CERAMIC	0.010UF	Z
C05			CE04KW1B471M	ELECTRØ	470UF	25WV
C06			CE04KW1H100M	ELECTRØ	10UF	50WV
C07			CE04KW1A101M	ELECTRØ	100UF	10WV
C08			CE04KW1H010M	ELECTRØ	1.0UF	50WV
C09			CE04KW1H101M	ELECTRØ	100UF	50WV
C10			CE04KW1V101M	ELECTRØ	100UF	35WV
C11			CE04KW1H2R2M	ELECTRØ	2.2UF	50WV
C12			CE04KW1C220M	ELECTRØ	22UF	16WV
C13	,14		CK45FF1H473Z	CERAMIC	0.047UF	Z
C15	,16		C90-3561-05	ELECTRØ	4700UF	50WV
C15	,16		C90-3565-08	ELECTRØ	6800UF	63WV
C17	,18		CK45FF1H103Z	CERAMIC	0.010UF	Z
C22			CE04KW1H4R7M	ELECTRØ	4.7UF	50WV
C23			CK45FF1H223Z	CERAMIC	0.022UF	Z
C24			CC45FSL1H221J	CERAMIC	220PF	J
C31	-34		CK45FF1H103Z	CERAMIC	0.010UF	Z
C35			CE04KW1V102M	ELECTRØ	1000UF	35WV

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4

5

# KR-A4070/A5070 [E, T, G]

## PARTS LIST

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No.3

Ref. No. 参照番号	Address 位 置	New Parts 新 品	Parts No. 部品番号	Description 部品名 / 規 格			Desti- nation 仕 向	Re- marks 備考
C36		*	C91-1528-08	CERAMIC 0.1UF	Z			
C37			CE04KW1C470M	ELECTRO 47UF	16WV			
C38			CE04KW1H221M	ELECTRO 220UF	50WV			
C39			CE04KW1C101M	ELECTRO 100UF	16WV			
C40			C91-1528-08	CERAMIC 0.1UF	Z			
C99			CK45FB1H272K	CERAMIC 2700PF	K			
C100			CK45FB1H102K	CERAMIC 1000PF	K			
C101, 102			CE04KW1H4R7M	ELECTRO 4.7UF	50WV			
C103-106			CK45FB1H102K	CERAMIC 1000PF	K			
C107, 108			CE04KW1A101M	ELECTRO 100UF	10WV			
C109, 110			CQ93FMG1H332J	MYLAR 3300PF	J			
C111, 112			CQ93FMG1H123J	MYLAR 0.012UF	J			
C113, 114			CE04KW1H4R7M	ELECTRO 4.7UF	50WV			
C115		*	CK45FF1H103Z	CERAMIC 0.010UF	Z			
C117, 118			C91-1528-08	CERAMIC 0.1UF	Z			
C119-128			CC45FSL1H221J	CERAMIC 220PF	J			
C131-134			CC45CH1H221J	CERAMIC 220PF	J			
C135, 136			CE04KW1C470M	ELECTRO 47UF	16WV			
C137			CC45FSL1H221J	CERAMIC 220PF	J			
C138, 139			CC45FSL1H101J	CERAMIC 100PF	J			
C140			CK45FB1H102K	CERAMIC 1000PF	K			
C148			CE04KW1H010M	ELECTRO 1.0UF	50WV			
C149, 150			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C152, 153			CE04KW1H010M	ELECTRO 1.0UF	50WV			
C154			CK45FB1H102K	CERAMIC 1000PF	K			
C155			CE04KW1H010M	ELECTRO 1.0UF	50WV			
C156			CE04KW1C101M	ELECTRO 1000UF	16WV			
C201, 202			CE04KW1H4R7M	ELECTRO 4.7UF	50WV			
C203, 204			CC45FSL1H680J	CERAMIC 68PF	J			
C205, 206			CK45FB1H471K	CERAMIC 470PF	K			
C207			CE04KW1A471M	ELECTRO 470UF	10WV			
C209, 210			CE04KW1A101M	ELECTRO 100UF	10WV			
C211-214			CC45FSL1H221J	CERAMIC 220PF	J			
C215, 216			CC45FSL2H680J	CERAMIC 68PF	J			
C217, 218			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C219, 220			CC45FCH1H180J	CERAMIC 18PF	J			
C221, 222			CC45FSL1H221J	CERAMIC 220PF	J			
C223			CE04KW1H470M	ELECTRO 47UF	50WV	4		
C223			CE04KW1J470M	ELECTRO 47UF	63WV	5		
C224			CE04KW1H101M	ELECTRO 100UF	50WV	4		
C225			CE04KW1J101M	ELECTRO 100UF	63WV	5		
C227-230			CB04KW0J221M	ELECTRO 220UF	6.3WV			
C231-234			CQ93FMG1H683J	MYLAR 0.068UF	J			
C235, 236			CK45FF1H223Z	CERAMIC 0.022UF	Z			
			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C301			CE04KW1A471M	ELECTRO 470UF	10WV			
C801			CC45FCH1H330J	CERAMIC 33PF	J			
C802, 803			CK45FB1H102K	CERAMIC 1000PF	K			
C804, 805			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C806			CE04KW1C470M	ELECTRO 47UF	16WV			
C807			CE04KW1H010M	ELECTRO 1.0UF	50WV			
C808			CE04KW1C470M	ELECTRO 47UF	16WV			
C809			CQ93FMG1H223J	MYLAR 0.022UF	J			
C810			CE04KW1H010M	ELECTRO 1.0UF	50WV			
C811			CK45FF1H473Z	CERAMIC 0.047UF	Z			

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No.4

Ref. No. 参照番号	Address 位 置	New Parts 新 品	Parts No. 部品番号	Description 部品名 / 規 格			Desti- nation 仕 向	Re- marks 備考
C812			CC45FCH1H150J	CERAMIC 15PF	J			
C813			CE04KW1H4R7M	ELECTRO 4.7UF	50WV			
C814			CE04KW1H2R2M	ELECTRO 2.2UF	50WV			
C815			CE04KW1H3R3M	ELECTRO 3.3UF	50WV			
C816			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C817, 818			CK45FF1H223Z	CERAMIC 0.022UF	Z			
C819			CQ93FMG1H153J	MYLAR 0.015UF	J			
C820			CK45FF1H223Z	CERAMIC 0.022UF	Z			
C821			CE04KW1C100M	ELECTRO 10UF	16WV			
C822			CE04KW1H4R7M	ELECTRO 0.47UF	50WV			
C823			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C824			CC45FCH1H220J	CERAMIC 22PF	J			
C825-828			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C829			CE04KW1C470M	ELECTRO 47UF	16WV			
C830			CE04KW1H010M	ELECTRO 1.0UF	50WV			
C831-833			CC45FSL1H101J	CERAMIC 100PF	J			
C834			CE04KW1H4R7M	ELECTRO 4.7UF	50WV			
C835			CQ93FMG1H103J	MYLAR 0.010UF	J			
C836			CE04KW1H010M	ELECTRO 1.0UF	50WV			
C837			CE04KW1H2R2M	ELECTRO 0.22UF	50WV			
C838, 839			CE04KW1H010M	ELECTRO 1.0UF	50WV			
C840			CE04KW1C101M	ELECTRO 100UF	16WV			
C841			CK45FB1H561J	CERAMIC 560PF	J			
C842, 843			CE04KW1C100M	ELECTRO 10UF	16WV			
C844, 845			CC45FSL1H181J	CERAMIC 180PF	J			
C846, 847			CE04KW1H2R2M	ELECTRO 2.2UF	50WV			
C848, 849			CQ93FMG1H392J	MYLAR 3900PF	J			
C850			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C851			CE04KW1C470M	ELECTRO 47UF	16WV			
C852			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C853, 854			CC45FCH1H220J	CERAMIC 22PF	J			
C855			CC45FCH1H471K	CERAMIC 470PF	K			
C856			CC45FSL1H221J	CERAMIC 220PF	J			
C857, 858			CC45FSL1H101J	CERAMIC 100PF	J			
C859			CE04KW1H0R1M	ELECTRO 0.1UF	50WV			
C860			CK45FCH1H103Z	CERAMIC 0.010UF	Z			
C861			CE04KW1C470M	ELECTRO 47UF	16WV			
C862			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C863, 864			CE04KW1C100M	ELECTRO 10UF	16WV			
C865, 866			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C867			CC45FSL1H270J	CERAMIC 27PF	J			
C868			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C869			CC45FCH1H331J	CERAMIC 330PF	J			
C871			CE04KW1H2R2M	ELECTRO 2.2UF	50WV			
C872			CK45FF1H103M	CERAMIC 0.010UF	M			
C873			CC45FSL1H820J	CERAMIC 82PF	J			
C874			CC45FCH1H470J	CERAMIC 47PF	J			
C875			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C876			CE04KW1C100M	ELECTRO 10UF	16WV			
C877, 878			CK45FF1H103Z	CERAMIC 0.010UF	Z			
C879-881			CE04KW1H03Z	CERAMIC 0.010UF	Z			
C882		*	CK45FB1HS61J	CERAMIC 560PF	J			
C883			CC45FCH1H220J	CERAMIC 22PF	J			
C884			CC45FCH1H060D	CERAMIC 6.0PF	D			
C893, 904			CE04KW1C330M	ELECTRO 33UF	16WV			
C905			CE04KW1H4R7M	ELECTRO 4.7UF	50WV			

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## PARTS LIST

No.6

Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation 仕向	Re- marks 備考	
参照番号	位置	新	部品番号	部品名／規格			
R32			RS14KB3D122J	FL-PROOF RS	1.2K	J 2W	
R177			RD14GB2E100J	FL-PROOF RD	10	J 1/4W	
R217-222			RD14GB2E221J	FL-PROOF RD	220	J 1/4W	
R229-232			RD14GB2E221J	FL-PROOF RD	220	J 1/4W	
R245-248			RD14GB2E221J	FL-PROOF RD	220	J 1/4W	
R249			RD14GB2E101J	FL-PROOF RD	100	J 1/4W	
R250			RD14GB2E470J	FL-PROOF RD	47	J 1/4W	
R253, 254			RS14KB3A100J	FL-PROOF RS	10	J 1W	
R255, 256			RS14KB3A561J	FL-PROOF RS	560	J 1W	
R824			RD14GB2E101J	FL-PROOF RD	100	J 1/4W	
R827			RD14GB2E101J	FL-PROOF RD	100	J 1/4W	
R840			RD14GB2E101J	FL-PROOF RD	100	J 1/4W	
R851			RD14GB2E470J	FL-PROOF RD	47	J 1/4W	
R866			RS14KB3D221J	FL-PROOF RS	220	J 2W	
VR101	2B	*	R39-0001-08	POTENTIOMETER 100KBX2 VOLUME			5
VR102	2B	*	R31-0053-08	POTENTIOMETER BALANCE			
VR201, 202			R12-1066-05	TRIM POT. 1KB IDLE ADJ			
VR801			R12-1053-05	TRIM POT. 4.7KB AM TUNE LEVEL			
VR802			R32-0012-08	TRIM POT. 100KB FM TUNE LEVEL			
VR803			R32-0012-08	TRIM POT. 100KB SEPARATION			
VR901, 902	2B		R31-0058-08	POTENTIOMETER BASS TREBLE			
K1			S76-0034-08	MAGNETIC RELAY			
K2 , 3			S76-0035-08	MAGNETIC RELAY			
SW2	1C		S62-0032-08	SLIDE SWITCH IMPEDANCE SELECT			
SW901-925	2B		S70-0030-08	TACT SWITCH KEY BOARD			
SW926	2B		S60-0030-08	ROTARY SWITCH INPUT SELECTOR			
D1			ISS133	DIODE			
D2 , -5			IN4002A	DIODE			
D6 , -08			ISS133	DIODE			
D10			ISS133	DIODE			
D12 , 13			ISS133	DIODE			
D14 , 15			IN4002A	DIODE			
D16 , 17			ISS133	DIODE			
D25 , 26			ISS133	DIODE			
D30			DBF40C	DIODE			
D30			DBF60C	DIODE			
D31 , -36			IN4002A	DIODE			
D98 , 99			ISS133	DIODE			
D101-104			ISS133	DIODE			
D107-110			ISS133	DIODE			
D201, 202			ISS133	DIODE			
D203, 204			IN4002A	DIODE			
D205, 206			ISS133	DIODE			
D801-809			ISS133	DIODE			
D810			RDS1ES(B2)	ZENER DIODE			
D811			ISS133	DIODE			
D812			RD13ES(B2)	ZENER DIODE			
D901-920			ISS133	DIODE			
D921			MTZ36.2B	ZENER DIODE			
D922			MTZ2.7B	ZENER DIODE			
FLT901	2B	*	10-MT-65GK	FLUORESCENT INDICATOR TUBE			
IC01			MC7815C	IC(VOLTAGE REGULATOR/+15)			
IC101			NJM4556DD	IC(OP AMP X2)			
IC102			NJU7313L	IC(ANALOG SWITCH) SELECTOR SW			

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▲ indicates safety critical components.

No.5

\* New Parts  
 Parts without Parts No. are not supplied.  
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.  
 Teile ohne Parts No. werden nicht geliefert.

Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation 仕向	Re- marks 備考	
参照番号	位置	新	部品番号	部品名／規格			
C906			C90-1827-05	ELECTRO	0.047F	5.5WV	
C907			CE04KW1A101M	ELECTRO	100UF	10WV	
C908			CK45FP1H103Z	CERAMIC	0.010UF	Z	
C911, 912			CK45FP1H103Z	CERAMIC	0.010UF	Z	
C913, 914			CK45FP1H223Z	CERAMIC	0.022UF	Z	
C921, 922			CE04KW1H4R7M	ELECTRO	4.7UF	50WV	
C923, 924			CQ93FMG1H153J	MYLAR	0.015UF	J	
C925, 926			CQ93FMG1H683J	MYLAR	0.068UF	J	
C927, 928			CK45FB1H822Z	CERAMIC	8200PF	Z	
C929, 930			CC45FC1H220J	CERAMIC	22PF	J	
C931, 932			CC45FSL1H101J	CERAMIC	100PF	J	
C933, 934			CQ93FMG1H333J	MYLAR	0.033UF	J	
C946			CK45FP1H103Z	CERAMIC	0.010UF	Z	
C950			CK45FP1H103Z	CERAMIC	0.010UF	Z	
E1	1C		E63-0157-08	PHONE JACK	PHONE		
E2	1C		E63-0159-08	PHONE JACK	CD, TAPE1		
E3 , 4	1C		E63-0158-08	PHONE JACK	TAPE2, VIDEO1, 2		
E5	1C		E70-0004-08	LOCK TERMINAL BOARD	MINIATUA PHONE JACK		
E6	1B		E11-0188-05	MINIATUA PHONE JACK	SYNCHRO		
JACK801	1C		E70-0023-08	TERMINAL BOARD ANTENNA			
PHONE	2A		E11-0263-08	PHONE JACK	HEAD PHONES		
F1	1B		F05-1623-05	FUSE SEMCO	T1.6A/250V		
F1	1B		F06-2021-05	FUSE SEMCO	T2A/250V		
F2	1B		F05-2525-05	FUSE SEMCO	T2.5A/250V		
F3	1B		F06-1022-05	FUSE SEMCO	T1A/250V		
-			J13-0084-08	FUSE CLIP			
CF801, 802			L72-0575-08	CERAMIC FILTER	10.7MHz		
L201, 202			L39-1303-08	INDUCTOR	0.15uH		
L301			L33-0379-08	INDUCTOR	22uH		
L801			L40-1091-17	SMALL FIXED INDUCTOR	1uH		
L802			L39-1322-08	COIL			
L803			L33-0381-08	SMALL FIXED INDUCTOR	1mH		
L804			L30-0904-08	IFT AM			
L805			L30-0905-08	IFT FM			
L806			L30-0906-08	IFT FM			
L807			L39-1323-08	COIL			
L808, 809			L35-0070-08	COIL			
L810			L40-1091-17	SMALL FIXED INDUCTOR	1uH		
L811-813			L40-1001-17	SMALL FIXED INDUCTOR	10uH		
L901			L40-1001-17	SMALL FIXED INDUCTOR	10uH		
L902, 903			L40-1091-17	SMALL FIXED INDUCTOR	1uH		
L905-908			L40-1091-17	SMALL FIXED INDUCTOR	1uH		
T01			L07-1987-08	TRANSFORMER			
X801			L78-0616-08	RESONATOR	456kHz		
X802			L77-2126-08	CRYSTAL	7.200MHz		
X803			L77-2127-08	CRYSTAL	4.332MHz		
X804			L78-0617-08	RESONATOR	4.00MHz		
X901			L78-0209-05	RESONATOR	4.19MHz		
G	2K		N89-3010-46	BINDING HEAD	TAPPIE SCREW		
CP1 , 2			R90-0947-08	MULTI-COMP	0.22X2	K 3W	
R03			RD14GB2E101J	FL-PROOF	RD 100	J 1/4W	
R31			RD14GB2E101J	FL-PROOF	RD 100	J 1/4W	

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# KR-A4070/A5070 [E, T, G]

## PARTS LIST

No.7

× New Parts  
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Ref. No. 参照番号	Address 位 置	New Parts 新 品	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕 向	Re- marks 備考
IC104		*	NJU7311L	IC(ANALOG SWITCH)ARRAY)		
IC105		*	NJU7312AL	IC(SWITCHING IC)TCH X16)		
IC106			BA6209N	IC(MOTOR DRIVER)		
IC801			LA1266	IC(AM/FM IF)		
IC802			LA3401	IC(FM MPX)		
IC803			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
IC804			LN258N	IC		
IC805			SAA6579T	IC(RDS DEMODULATOR)		
IC806			LC6543H-4600	IC(4bit MICROPROCESSOR)		
IC810			NJM78L05A	IC(VOLTAGE REGULATOR/ +5V)		
IC810			UPC78L05	IC(VOLTAGE REGULATOR/ +5V)		
IC901			UPD78044CF-021	IC(8BIT MICROPROCESSOR)		
IC902			PST529C	IC(SYSTEM RESET)		
Q01			2SD882	TRANSISTOR		
Q02 -05			DTC114ES	DIGITAL TRANSISTOR		
Q06			2SA916	TRANSISTOR		
Q08			2SA933S	TRANSISTOR		
Q10			2SA933S	TRANSISTOR		
Q101-104			2SC2878B	TRANSISTOR		
Q105,106			DTA144ES	DIGITAL TRANSISTOR		
Q107-109			DTC114ES	DIGITAL TRANSISTOR		
Q201-204			2SA992F	TRANSISTOR		
Q205,206			2SC1845F	TRANSISTOR		
Q207,208			2SA992F	TRANSISTOR		
Q209,210			2SC1845F	TRANSISTOR		
Q211,212			2SC4137V	TRANSISTOR		
Q213,214		*	2SC2316Y	TRANSISTOR		
Q215,216			2SA916	TRANSISTOR		
Q217,218			2SC4467Y	TRANSISTOR		
Q217,218			2SC4468P	TRANSISTOR		
Q219,220		*	2SA1694Y	TRANSISTOR		
Q219,220			2SA1695	TRANSISTOR		
Q221,222			2SC1845F	TRANSISTOR		
Q223,224			2SC1740S-R	TRANSISTOR		
Q801			2SC1740S-R	TRANSISTOR		
Q802			2SA933S	TRANSISTOR		
Q803			2SC1740S-R	TRANSISTOR		
Q804			2SC31940	TRANSISTOR		
Q805			2SC1845F	TRANSISTOR		
Q806-808			2SC1740S-R	TRANSISTOR		
Q809,810			2SA933S	TRANSISTOR		
Q811			2SD2061E	TRANSISTOR		
Q901,902			2SC1740S-R	TRANSISTOR		
ZD01			MTZJ3..9B	ZENER DIODE		
ZD02,03			MTZJ5..1B	ZENER DIODE		
ZD04			RD6..2BS(B2)	ZENER DIODE		
ZD06,07			MTZJ16A	ZENER DIODE		
ZD08,09			MTZJ5..1B	ZENER DIODE		
ZD10			MTZJ6..8B	ZENER DIODE		
ZD11			MTZJ8..2B	ZENER DIODE		
A901			W02-1111-08	ELECTRIC CIRCUIT MODULE		
TUNER801			W02-1041-15	FM FRONT END		

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5 : KR-A5070

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# KR-A4070/A5070 [E, T, G]

## SPECIFICATIONS

### KR-A5070

#### Audio section

Rated power output	
(DIN) 1,000 Hz	at 8 Ω ..... 100 W + 100 W
at 4 Ω ..... 90 W + 90 W	
Total harmonic distortion (1 kHz, 8 Ω) ..... 0.01% at 50 W	
Signal to noise ratio	

PHONO (MM) .....	56 dB (DIN, 50 mW output)
CD, TAPE, VIDEO .....	57 dB (DIN, 50 mW output)
Input sensitivity / impedance	
PHONO (MM) .....	2.5 mV / 47 kΩ
CD, TAPE, VIDEO .....	200 mV / 47kΩ
Tone controls	
BASS .....	±10 dB (at 100 Hz)
TREBLE .....	±10 dB (at 10 kHz)

#### FM Tuner section

Tuning frequency range .....	87.5 MHz~108 MHz
Usable sensitivity (DIN at 75 Ω)	
MONO .....	1.1 μV
STEREO .....	45 μV
Total harmonic distortion at 1 kHz (DIN)	
MONO .....	0.15%
STEREO .....	0.5%
Signal to noise ratio (DIN weighted at 1 kHz)	
MONO .....	68 dB (65.2 dBf input)
STEREO .....	61 dB (65.2 dBf input)
Selectivity (DIN ± 300 kHz) .....	
Stereo separation (DIN)	
1 kHz .....	40 dB
6.3 kHz .....	33 dB
Frequency response .....	
30 Hz~15 kHz, +0.5 dB, -2.0 dB	

#### AM Tuner section

Tuning frequency range .....	531 kHz ~ 1,602 kHz
Usable sensitivity .....	
MONO .....	12 μV / (400 μV / m)
Total harmonic distortion .....	
Signal to noise ratio (at 30% mod. 1mV input) .....	
STEREO .....	50 dB
Selectivity .....	30 dB

#### General

Power consumption .....	190 W
AC outlet	
SWITCHED .....	2: (total 200 W max)
Dimensions	
W:440 mm	
H:133 mm	
D:350 mm	
Weight (net) .....	8.3 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

### KR-A4070

#### Audio section

Rated power output	
(DIN) 1,000 Hz	at 8 Ω ..... 60 W + 60 W
at 4 Ω ..... 55 W + 55 W	
Total harmonic distortion (1 kHz, 8 Ω) ..... 0.01% at 30 W	
Signal to noise ratio	

PHONO (MM) .....	56 dB (DIN, 50 mW output)
CD, TAPE, VIDEO .....	57 dB (DIN, 50 mW output)
Input sensitivity / impedance	
PHONO (MM) .....	2.5 mV / 47 kΩ
CD, TAPE, VIDEO .....	200 mV / 47kΩ
Tone controls	
BASS .....	±10 dB (at 100 Hz)
TREBLE .....	±10 dB (at 10 kHz)

#### FM Tuner section

Tuning frequency range .....	87.5 MHz~108 MHz
Usable sensitivity (DIN at 75 Ω)	
MONO .....	1.1 μV
STEREO .....	45 μV
Total harmonic distortion at 1 kHz (DIN)	
MONO .....	0.15%
STEREO .....	0.5%
Signal to noise ratio (DIN weighted at 1 kHz)	
MONO .....	68 dB (65.2 dBf input)
STEREO .....	61 dB (65.2 dBf input)
Selectivity (DIN ± 300 kHz) .....	53 dB
Stereo separation (DIN)	
1 kHz .....	40 dB
6.3 kHz .....	33 dB
Frequency response .....	
30 Hz~15 kHz, +0.5 dB, -2.0 dB	

#### AM Tuner section

Tuning frequency range .....	531 kHz ~ 1,602 kHz
Usable sensitivity .....	
MONO .....	12 μV / (400 μV / m)
Total harmonic distortion .....	
Signal to noise ratio (at 30% mod. 1mV input) .....	
STEREO .....	50 dB
Selectivity .....	30 dB

#### General

Power consumption .....	120 W
AC outlet	
SWITCHED .....	2: (total 200 W max)
Dimensions	
W:440 mm	
H:133 mm	
D:350 mm	
Weight (net) .....	6.7 kg

#### Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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